G.B.C. PROGRAM HANDBOOK 1972-1973

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B. M. Webb.
615 Working Copy

THE GEORGE BROWN COLLEGE
OF APPLIED ARTS AND TECHNOLOGY

PROGRAM HANDBOOK
1972-1973

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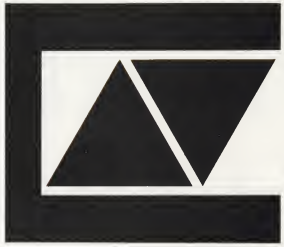
The
GEORGE BROWN COLLEGE
of
Applied Arts and Technology

P.O. BOX 1015, STATION B, TORONTO 2B,
ONTARIO. TELEPHONE: (416) 362-3971



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THE GEORGE BROWN COLLEGE

OF APPLIED ARTS AND TECHNOLOGY

THE COLLEGE

On March 1, 1968 The George Brown College of Applied Arts and Technology was officially named and was composed of the former Provincial Institute of Trades and the Provincial Institute of Trades and Occupations. The College was named in honour of the patriot, George Brown, an ardent advocate of Confederation and the original founder of the Globe newspaper. George Brown College is dedicated to the principles enunciated by this great man - "Human dignity based upon political freedom."

THE CAMPUS

In December, 1969 the Board of Governors of George Brown College adopted a "Master Plan" for George Brown College. This plan was based on the concept that George Brown College would be a multi-campus college with programs integrated to meet the needs of the community. In other words - "The City is the Campus."

At present the College operates six campuses located within the City of Toronto. A new complex of buildings is under construction and is rapidly taking shape at the Casa Loma site. Changes in each campus are continually in progress to keep up with the rapid increase in student enrolments.

PROGRAMS OF STUDY

Although it is proposed to adhere to the programs of study as outlined in this calendar, the administration of George Brown reserves the right to make whatever changes are deemed necessary to the programs of study to meet changing conditions.

LIBRARY

A library is located on each campus. The aim of the Library is to provide a carefully chosen collection of material for the growing range and complexity of the College programs of study. Each library also provides a selection of periodicals and reference journals related to the courses offered on that particular campus as well as magazines for browsing.

Library hours on each Campus are:
Monday to Thursday: 8:00 a.m. to 9:00 p.m.
Friday: 8:00 a.m. to 6:00 p.m.

Students are invited to use the library facilities at any time during these hours for reference, borrowing, studying or relaxation.

WANT TO ADD A YEAR TO YOUR LIFE?

A three-year program in two years? Yes, it can be done at George Brown College. It demands hard work on the part of the student but it also allows the graduate into the working force a whole year sooner than expected. The student will spend 45 weeks each year at the college instead of the normal 33 weeks. It will save a student the cost of the 3rd year's tuition, board and lodging.

This "three years in two" option will apply to the following technology programs: Electrical Technology; Electronics Technology; Instrumentation Technology; Survey.

Technician programs within these areas will continue as before.

For information on these Programs contact:

George Brown College of Applied Arts & Technology,
P.O. Box 1015, Station B,
Toronto 2B, Ontario.
Telephone: 362-3971

THE GEORGE BROWN COLLEGE

THE 2700-HOUR TECHNOLOGY PROGRAM (3 years in 2)

1. Length of Program — 2700 hours, six modules of fifteen weeks

2. Admission Requirements

Ontario Grade 12 with above average in Mathematics and Science

3. Program for Academic Years 1971/72, 1972/73

1971/72

Module 1	September 7/71	December 17/71
Module 2	January 3/72	April 21/72
(winter recess	March 18/72	March 26/72 inclusive)
Module 3	April 24/72	August 4/72
Summer Break	August 5/72	September 10/72

1972/73

Module 4	September 11/72	December 22/72
Module 5	January 3/73	April 20/73
(winter recess	Similar to 1971/72)	
Module 6	April 23/73	August 3/73

Module 1 is common to the technician and technologist programs, with adjustments in related areas to facilitate the continuance of the program at the technologist level.

4. Based on performance in the first module, outstanding technician students may be permitted to transfer to the second module of the technology program. Technologists not achieving technologist standing may transfer to the technician program.

N.B. There are two distinct programs:

(a) The technician program with one set of admission requirements.

(b) The technologist program with a set of higher admission requirements.

It is expected that students entering the technologist program will be properly qualified to do so.

5. On satisfactory completion of the technologist program, the student will receive the George Brown College Diploma in Technology.

THE GEORGE BROWN COLLEGE

OF APPLIED ARTS AND TECHNOLOGY

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THE STUDENT

Admission Requirements

Applied Arts, Business and Technician Programs

i) Programs two years or longer in length

The Ontario Secondary Graduation Diploma with related options awarded after successful completion of any four-or five-year program. Requirements will also include certain Grade 12 credits depending on the program of studies selected.

ii) Programs one year or shorter in length

a) As stated in the course description.

b) The Ontario Department of Education Statement of Standing awarded after the successful completion of Grade 10 of any Four-Year Program, or as noted. Many of the programs in this category are available under the Ontario Manpower Re-training Program, a government-subsidized educational program for adults. Programs so available are coded with the OMRP Program numbers. Application for programs under the OMRP can only be made through the nearest Canada Manpower Centre.

iii) Admission as a mature student

Persons of 19 years and over who do not meet the admission requirements, but who appear to have the capacity and maturity to succeed in the College, will be admitted to an appropriate program as probationary students.

iv) Admission with advanced standing

The College grants advanced standing for college-level study completed at other accredited institutions. Students contemplating transfer are urged to study carefully the programs in this calendar to determine the relevance of their present course work to the program desired. A student must be in good standing at the last institution attended to be eligible for admission.

v) Students will be admitted in the following order of preference:

1. Permanent residents of Ontario
2. Permanent residents from other Canadian Provinces
3. Overseas students from Commonwealth countries, and
4. Students from other foreign countries.

Apprenticeship Programs

Under an agreement between the Industrial Training Branch of the Department of Labour and the College, apprenticeship programs are offered for Registered Apprentices only. For general information, consult the section Apprenticeship Courses.

Manpower Programs

Individuals who are eligible may enrol in any Manpower Program as fee-paying students on the basis of $4.00 per week. Books and supplies are loaned at no cost to the student.

Note: Shorter programs will be calculated on a pro rata basis. Fees are payable to The George Brown College of Applied Arts and Technology. These fees are subject to change in government policy.

Refund Schedule - Post Secondary

Refund of tuition fees will be granted only if requested by letter and submitted to the Registrar's office prior to the 7th day of scheduled classes.

Refunds for Manpower Programs will not normally be granted.

Additional Expenditures

i) Textbooks, instruments, and supplies should be purchased by the student as soon after registration as possible. The cost of such items varies, according to the course, from forty dollars to one hundred dollars. Students are invited to use the facilities of the College Bookstore.

ii) Students who wish to retain projects constructed in the College must pay for the materials.

L I V I N G A C C O M M O D A T I O N

Residence accommodation for out-of-town students is not provided by the College. Students are given every possible assistance in finding the type of accommodation suitable to their needs. The classified advertising columns of the daily newspapers are also recommended as an excellent source of information.

Rates vary from $20.00 to $30.00 per week for room and two meals. The College operates cafeterias at all campuses.

Transportation

Reduced fares on the "Go" train are available through the Registrar's Office. Students are encouraged to commute by train, T.T.C. and subway whenever possible.

Admission Procedure

Application forms may be obtained from your Secondary School Guidance Office or from the George Brown College, P. O. Box 1015, Station B, Toronto 2B, Ontario. Application forms must be accompanied by one of the following documents:

i) An official transcript of all secondary school marks, showing the necessary credits and grades for admittance to the desired program, or

ii) A statement from the Secondary School Principal stating that the applicant is expected to obtain the necessary credits and grades for admittance to the desired program. This statement must be substantiated by an official transcript of marks when it becomes available.

All applications are reviewed by the Board of Admission which is empowered to defer, reject or recommend an alternate program for any candidate whose qualifications in the opinion of the Board are not adequate to the demands of the program which the candidate wishes to pursue.

Probationary Status

Students who have been accepted but do not meet the published prerequisites for a program, and students who are re-admitted after a failure (a grade-point average less than 2.0) are placed on probationary status. If a probationary student has not achieved a 2.0 grade-point average by the end of the semester his position will be reconsidered. For more detailed information contact the admitting Campus Registrar.

Transfer Credits

Students who wish to have courses taken elsewhere credited to the program in which they wish to enrol must apply in writing to the admitting Campus Registrar at or before the end of the first week of their course. Their work will be evaluated and credited to their program where applicable.

Equivalent Standing

Applicants from another Province or country are required to submit evidence of equivalent standing. The following certificates are recognized as being equivalent to the Ontario Secondary School Graduation Diploma, and may be accepted if the applicants meet the other admission requirements:

Alberta/Junior Matriculation (Grade 11)
British Columbia/Junior Matriculation (Grade 12)
Manitoba/Grade 11
New Brunswick/Junior Matriculation (Grade 12)
Newfoundland/Grade 11

Nova Scotia/Junior Matriculation (Grade 11)
Prince Edward Island/First Class License or Second Year Certificate of Prince of Wales College
Quebec/Quebec High School Leaving or McGill Junior Matriculation
Saskatchewan/Grade 11

Registration Dates

Consult the College Admissions Information Brochure.

A student is not considered duly registered and will not be admitted to classes until fees for each semester are paid in full.

Additional programs will be offered at various times throughout the school year. Starting dates are available upon request.

Programs will be given only if enrolment is sufficient.

The Student Administrative Council

All registered full-time students of the College are members of the S.A.C.

Its purpose is to unite the students within a functioning body, which provides opportunity for the formulation, expression and extension of student ideas.

The S.A.C. endeavours to co-ordinate all phases of co-curricular activity other than the field of Athletics. The S.A.C. represents the Student Body at College functions, and on public occasions. Through its Standing Committees, it organizes such inter-school and College activities as may be of interest to the Student Body as a whole.

The affairs of the S.A.C. are administered by an elected executive.

Athletics

The opportunity is provided for every member of the Student Body to participate in the Athletic Program.

The Athletic Director operates a highly developed program for Inter-House League Sports as student interest warrants.

The George Brown College is a member of the O.C.A.A. and competes in various varsity sports.

Intramural Sports

Under the sponsorship of the Athletic Director the Intramural Program is run by the Athletic Association consisting of a President, Vice-President, Secretary, Treasurer and one representative from each Campus. The Program includes volleyball, basketball, floor and ice-hockey, badminton and table tennis.

Minor Athletic Clubs

Clubs for any Athletic activity may be organized by calling a meeting of interested students, electing officers, and submitting a constitution to the Athletic Director for approval.

Regulations

1. The College does not accept responsibility for injuries sustained by Students taking part in Intramural or College sports. Students should see that they are insured with O.H.I.P. to cover doctor's services and hospitalization. First aid treatment only is provided at the College Health Centre.

2. Students who plan to participate in Athletics should note carefully the following excerpts from the "Regulations Governing Discipline" and from the "Constitution of the Athletic Association":

   a. No one shall be allowed to represent The George Brown College of Applied Arts and Technology in any public Athletic contest, either individually or as a member of any team, unless he is a member of the Association.

   b. The Director shall have full control of the use of the College's name by athletic clubs, and no schedule of matches, races, or athletic games, arranged by a College Club, shall take effect until approved by the Athletic Director.

   c. The Director shall have control and direction of any facilities connected with athletics, and shall make such rules and regulations as are deemed necessary for their management. The Director shall give priority to such arrangements as may be necessary to effect the carrying out of the College regulations requiring physical training.

   d. The Director shall have absolute power to suspend anyone from the privileges of the Athletic Association and also from the right to take part in College Athletics, for any breach of the regulations.

Student Identification Cards

Upon registration, all full-time students are issued with identification cards which may be used as proof of attendance at The George Brown College. Loss of identification cards should be reported immediately to the Campus Registrar's office.

HEALTH SERVICE

The Health Service program has been planned to help students achieve and maintain a high level of health and efficiency. Each campus has a Health Centre, staffed by registered nurses with a physician available for consultation on an appointment basis. Students will be requested to complete a health history form. Certain programs may request a complete medical examination before a student is accepted.

Services offered include: health counselling; health education programs; emergency care; supportive care following minor injuries and illness; referrals to medical facilities, campus counselling services or community agencies; and immunization to protect against tetanus, poliomyelitis and smallpox.

Free chest X-ray facilities are provided by the Toronto Chest Clinic for students who have not had a recent chest X-ray or tuberculin test. Forms and information are available in the Health Centres.

Ontario Health Insurance Plan

All students are responsible for their own coverage under this plan. Otherwise he or she must be prepared to pay all medical and hospital costs arising from illness or injury.

Information and forms regarding health insurance plans are available in all Health Centres.

Students may make their own arrangements with private insurance companies for coverage until eligible for the Ontario Health Insurance Plan.

MUTUAL RESPONSIBILITY AGREEMENT

The acceptance of a student at the George Brown College of Applied Arts and Technology constitutes an agreement of mutual responsibility. The student's part of the agreement is to accept established College rules and practices, to respect the laws of the City and Province, and to act in a responsible manner appropriate to these laws, rules and practices. The College's part is to provide an environment that encourages student growth and development. The College recognizes that the great majority of students accept and fulfil their parts of the agreement. Disciplining action on the part of the College must be taken when a student is persistently irresponsible.

COUNSELLING SERVICES

Counselling services for The George Brown College are concentrated at the Counselling Centre, Bloor Campus, 33 Bloor Street East. Telephone: 924-4415

Orientation Program

Applicants referred by Canada Manpower are received at the Counselling Centre for an Orientation program consisting of testing, counselling, health interviews and when indicated, a review of Mathematics and English. Negotiations are carried out with Canada Manpower for reallocation of applicants whose initial course allocation proves unsuitable. Accepted applicants are then transferred to the appropriate campus. This service is also available to fee-paying students and applicants sponsored by agencies other than Canada Manpower. It may also be arranged by contacting the Counselling Centre or any Campus Registrar.

On-Campus Counselling

Counsellors have been assigned to each campus of the College to work out solutions to any educational, vocational and personal problems. Discussions are informal and confidential and do not form part of any official college records.

Information Centre

This service provides assistance to persons wishing to register for courses at The George Brown College. Enquiries may be made by telephone or in person to 33 Bloor Street East (Telephone 924-4415). The Centre will provide information and will give or mail out descriptive literature and registration forms.

Community Counselling

This is a comprehensive counselling service open to the general public at 33 Bloor Street East. A staff of experienced counsellors is available to advise on educational and vocational matters and to assist in career planning. Testing is carried out on a group or individual basis.

Note:

On August 1, 1972, the Bloor Street Counselling Centre will cease to exist. The counselling services mentioned above will be available on all of the George Brown Campuses. Telephone: 362-3971

FINANCES

Fees - Post Secondary

The normal academic year consists of two semesters. The fee schedule, constant for all programs, is as follows:

First Semester -		
Confirmation Fee		$35.00
Balance of Tuition Fee		$50.00
Total First Semester	-	$85.00
Second Semester -		
Tuition Fees		$75.00
Total, Full Academic Year		$160.00

For the first semester the confirmation fee of $35.00, which includes a $10.00 registration fee, must be paid within three weeks of notice of acceptance. It guarantees the student a place in the program and is not refundable. The balance of tuition fees must be paid in full before a student is permitted to register or to enter classes.

The second semester fee must be paid in full prior to the conclusion of the first semester.

Applicants from foreign countries will be required to pay fees for a complete academic year in advance. The total fee will be $160.00 which includes a $35.00 non-refundable confirmation fee. Fees must be paid by July 1st for September registration to obtain confirmation of acceptance, or two months in advance for other registration dates.

All fees must be paid in cash, by money order or by cheque made payable to George Brown College.

THERE WILL BE NO REFUNDS AFTER THE SEVENTH DAY OF SCHEDULED CLASSES.

This fee schedule is subject to revision without notice.

Additional Expenditures

Textbooks, instruments, and supplies should be purchased by the student as soon after registration as possible. The cost of such items varies, according to the program, from $40.00 to $100.00. Students are invited to use the facilities of the College Bookstore.

Students who wish to retain projects constructed in the College must pay for the materials.

FINANCIAL ASSISTANCE

Ontario Student Awards Program

The Ontario Student Awards Program has been developed to ensure that every person with the ability and desire to pursue a program of education beyond the secondary school level will have sufficient funds to meet the costs of such an undertaking. While it is felt that, in the first instance, the responsibility for providing the necessary funds rests with the parent (guardian or immediate family) and/or the student, the Province of Ontario is prepared to supplement family/student resources, as determined by an objective form of need assessment.

A Student Loans Plan has been established by the Federal authorities, with the agreement of the participating provinces. Loans awarded under the Plan are interest free until six months after graduation or discontinuance of study, and no repayment of principal is required so long as the applicant is enrolled as a full-time student.

Brochures and Application forms are available at the office of the Student Affairs Administrator, The George Brown College, P. O. Box 1015, Station B, Toronto 2B, Ontario.

Employment Service

The College assists students in obtaining placement both during the summer vacation and after graduation. Further information is available through the office of the Student Affairs Administrator.

APPRENTICE PROGRAMS

The courses outlined in this section of the calendar are offered in co-operation with the Industrial Training Branch of the Department of Labour under the provisions of the Apprenticeship and Tradesmen's Qualification Act, 1964. Every eligible person above the age of sixteen years, employed in a capacity other than a journeyman in a designated trade must be registered and under contract with the Industrial Training Branch of the Department of Labour. Under the terms of the Act, apprenticeship contracts are written in terms of periods of hours rather than calendar periods as was the case prior to 1964.

In addition to on-the-job training, all registered apprentices are required to attend regular day classes consisting of trade theory and practice, and academic subjects relating to their trade at a College of Applied Arts and Technology.

The in-school training normally consists of three levels. The initial (basic) level of 7 to 8 weeks duration is usually conducted during the first or second period of the apprenticeship contract. A second (intermediate) level of 7 weeks duration would follow and be held during the second or third period of the contract. The third (advanced) level is also 7 or 8 weeks but it would be conducted in the latter period of the apprenticeship contract. Some trades vary from the normal schedule of in-school training periods.

These courses are arranged by the Department of Labour under a Federal-Provincial training agreement and are free of charge to registered apprentices. To cover the cost of room and board, living allowances are paid by the Federal Department of Manpower and Immigration or the Ontario Department of Labour while the apprentice is attending school. For out-of-town apprentices the cost of transportation is provided to and from the training centre at the beginning and end of each course.

In certain of the trades requiring compulsory certification of qualifications, persons in possession of the Secondary School Graduation Diploma granted upon completion of Grade 12 of either the Science Technology and Trades Branch or the Arts and Science Branch are granted credit for a specific number of hours from each period of the apprenticeship term. In addition to the preceding, persons in possession of a Grade 12 diploma endorsed in a subject corresponding to the apprenticeship program to be pursued will be excused from taking the basic course of in-school training. Where credit is applicable it is so stated under the course outline of the trade so affected.

It is important to note that these courses are available to Registered Apprentices Only. Prospective apprentices may obtain further information by writing to:

Director, Industrial Training Branch, Ontario Department of Labour, 400 University Avenue, Toronto 1, Ontario.

The following apprenticeship courses are offered at this College:

Baking
Barbering
Carpentry
Cement Mason
Chef Training
Electrical Construction
Glazier & Metal Mechanic
Hairdressing
Industrial Electronic Controls
Ironworker
Lathing
Machinist
Masonry
Millwright
Painting and Decorating
Plastering
Plumbing
Radio and Television

Refrigeration and Air Conditioning
Retail Meat Cutting
Sheet Metal Mechanic
Steamfitting
Structural Steel Drafting
Toolmaking
Watchmaking

Note: As it is necessary to prepare the materials for this Calendar well in advance of the beginning of each school year, revisions to the length of the apprenticeship term and the length of the in-school training period cannot be anticipated.

AWARDS, BURSARIES AND SCHOLARSHIPS

Many construction, industrial and commercial companies support the College directly with the gifts or loan of highly specialized equipment. Others provide financial support for students they sponsor. In addition to this, the following bursaries and scholarships are available:

O.A.C.E.T.T. Award
Awarded by the Ontario Association of Certified Engineering Technicians and Technologists to the top graduate from any Technician course.

O.G.C.A. Awards
Awarded by the Ontario General Contractors Association to:
1) the top graduate from the Construction Technician Course.
2) the student showing the greatest improvement over a two year Construction Technician Course.

Wm. C. McGolpin Award
Awarded by the Canadian Structural Clay Association to the top Bricklaying and Masonry apprentice of the year in the Advanced Course.

Toronto Construction Association Award
Awarded by the Toronto Construction Association to the advanced apprentice with the highest standing in the Carpentry Course.

Canadian Gypsum Company Limited Awards
Awarded by the Canadian Gypsum Company Limited to the apprentice with the highest standing in Lathing and to the apprentice with the highest standing in Plastering.

Contracting Lathing & Plastering Association of Ontario Award
Awarded by the Contracting Lathing & Plastering Association of Ontario to the apprentice with the highest standing in Practical work of the advanced Plastering class.

Sheet Metal Association Award
Awarded by the Sheet Metal Association to the top advanced apprentice of the year.

Massey-Ferguson Award
Awarded by Massey-Ferguson Industries Limited to the graduating student of the Machine and Product Design program who has shown the greatest improvement in knowledge and skill over the two years of the program.

Northern Electric Company Award
Awarded by the Northern Electric Company to the graduate of the Toolmaking Technician program who has demonstrated the greatest improvement in skill, knowledge and all-around ability over the two years of the program.

Society of Plastics Engineers-Ontario Section Bursary/ up to $100.00
This fund which is donated by the Society of Plastics Engineers enables the College to grant bursaries to a total of $100.00 to deserving students enrolled in the Plastics Technician program. Applications should be made to the Casa Loma Campus Registrar.

Ontario Medical Secretaries Association Award
Awarded by the Ontario Medical Secretaries Association to the top student in the Medical Secretarial Course.

The Florence Montgomery Bursary Award/$100.00
Awarded annually by the Canadian Restaurant Association, Toronto and District Branch, to the top all-round student graduating from the advanced course of Chef Training.

The Escoffier Club Bursary Award/$100.00
Awarded annually by the Escoffier Club of Toronto (Association of Professional Chefs) to the top all-round student graduating from the basic course of Chef Training.

Stafford Foods Award
Awarded by Stafford Foods to the top advanced Baker Apprentice.

Lallemand Incorporated Award
Awarded by Lallemand Incorporated to the top basic Baker Apprentice.

E. G. Bradley Company Scholarship
Awarded by the F. G. Bradley Company to a person who:
1) has successfully completed the Apprentice Chef Training program in the Province of Ontario with an average standing of 3.4 grade point or better on both Basic and Advanced Courses.
2) has passed the Journeyman's Certification Examination as set by the Ontario Department of Labour.
3) has applied to and has been accepted by George Brown College as a student on the 2-year Food Administration Course.

Dining Room Service Award
Awarded by the Canadian Restaurant Association, Toronto and District Branch, to the top student in Dining Room Service.

John Arena Award
Awarded by Mr. John Arena, Winston Grill Restaurant, to the top student in Dining Room Service.

The Maitre d'Hotel Association Award
Awarded by Maitre d'Hotel Association of Toronto to the most successful student of the previous year in Dining Room Service.

C. R. A. Foundation Bursary Award
Awarded by the Canadian Restaurant Association to a student enrolled in the final year of a two or three-year management or supervisory course in Restaurant, Hotel Resort and/or Institutional Management in recognized Schools of Technology and in Community Colleges meeting the requirements of the Awards Committee of the C. R. A. Foundation.

The Consumers' Gas Company Scholarship
Awarded by The Consumers' Gas Company to the top first-year student.

A.F.S.H.E. Award
Awarded by Bardeau Limited to the top students in the first year of the two-year programs in Food Administration, Hotel/Motel Administration and Dietary Services Administration.

Canadian Fund for Dental Education Association Awards/$250.00 for First Year Scholarship and $250.00 for Second Year Scholarship
Awarded by the Canadian Fund for Dental Education Association to the student who has outstanding work in Dental Laboratory work and related academic subjects.

Toronto Study Club of Dental Technicians Award
Awarded by the Toronto Study Club of Dental Technicians to the student who has outstanding work in the Dental Laboratory in the second year of the Dental Technicians Course.

Ontario Dental Association Award
Awarded by the Ontario Dental Association to the student who has outstanding work in the Dental Laboratory in the second year of the Dental Technicians Course.

Mary Elizabeth Wood Memorial Award
Awarded by the Zeoli Ceramic Studio to the student who has outstanding work in the Dental Laboratory.

Dental Technicians Alumni Award
Awarded by the Dental Technicians Alumni to the student who has outstanding work in the Dental Laboratory.

Merit Graduation
Awarded by C.D. Mallory Incorporated to:
1) the top student in Marine Engineering.
2) the top student in Marine Navigation.

Most Deserving Cadet
Awarded by the Marine Club to:
1) the student who shows the best all-round ability in Marine Engineering.
2) the student who shows the best all-round ability in Marine Navigation.

Best 1st Year Cadet
Awarded by the Upper Lakes Shipping Company to:
1) the student who shows the best all-round ability in 1st year at sea in Marine Engineering.
2) the student who shows the best all-round ability in 1st year at sea in Marine Navigation.

Most Improved Cadet
Awarded by Canada Steamship Lines to:
1) the student who shows the most improvement from the time of commencing the course to the end of his first year in Marine Engineering.
2) the student who shows the most improvement from the time of commencing the course to the end of his first year in Marine Navigation.

The Armatek Controls Award
Awarded by Armatek Controls Limited to a graduating student of the Instrumentation Technician program who has demonstrated the best overall performance while on the program.

Canadian Jewellers Institute Bursary/up to $175.00
Awarded by the Canadian Jewellers Institute to the top student in the first or second year of the Watchmaking Course.

H. & W. Perrin Company Limited Award/$100.00
Awarded by H. & W. Perrin Company Limited to the student who has made the greatest progress during the year in the first or second year of the Watchmaking Course.

Toronto Jewellers Supply Company Award/$100.00
Awarded by the Toronto Jewellers Supply Company Limited to the student who has made the greatest progress during the year in the first or second year of the Watchmaking Course.

Bulova Watch Company of Canada Limited Award
Awarded by the Bulova Watch Company of Canada Limited to a first or second year student in the Watchmaking Course who has been most consistent in attendance and has shown the greatest effort during the year.

N E W C O U R S E S

New programs are constantly in the planning stage, some of which may be operative in the near future. Information relative to these programs may be obtained by writing to:
The George Brown College of Applied Arts and Technology,
P. O. Box 1015, Station B, Toronto 2B, Ontario, or by phoning 362-3971.

Courses are continuously modified and revised in order to keep in step with industrial requirements. All programs are subject to change without prior notice.

T H E C U R R I C U L U M

The George Brown College offers a wide variety of courses leading to vocational competence, to examination and official certification, and to the general enrichment of the individual student. While it is recognized that certain standards of proficiency in particular areas of study are necessary for employment in some vocations, it is also recognized that individual students bring with them to the College certain established abilities, and that their needs differ widely. To provide for the greatest possible flexibility, the calendar describes programs which lead to particular vocations, and courses which make up these programs. Most students will wish to undertake a prescribed program, but others may:
1) Take an enriched program by adding to it another course.
2) Take a light program by omitting one or two courses.
3) Substitute courses for those within a program for which exemption or credit has been granted.
4) Take one or two courses at a time with a view to building program credit and certification.

Students who wish to apply for exemption from a course within a prescribed program should do so in writing during the third week of attendance at the College.
(Forms are available through the Department offices)

G R A D I N G A N D G R A D E R E P O R T I N G

The following system of grading is used to indicate the quality of a student's work:

Grade	Explanation	Point Value
A	excellent	4
B	good	3
C	average	2
D	below average	1
F	failure	0
WP	withdrawn while passing	
WF	withdrawn while failing	
K	incomplete	

A course in which a student has failed must be repeated if credit is desired. A grade of F is assigned if a student fails to carry out the prescribed procedures when withdrawing from a course or from the College, or if he fails to clear a grade of K in the prescribed time. The grade of K indicates that work is satisfactory as far as completed. It permits the student after consultation with his department head to complete the work in a reasonable period of time. The grade of K is given only in cases of illness or other extenuating circumstances.

Promotion for Students Who Have Failed One or Two Courses

1) A student who has failed a course is permitted to pursue his successful courses in the following year.
2) A student with a grade point average of 2.5 or more may apply to pursue one unsuccessful course in the following year, provided that satisfactory arrangements are made to make up the deficiency.
3) A student with a grade point average of 3.0 or more may apply to pursue two unsuccessful courses in the following year, provided that satisfactory arrangements are made to make up the deficiency.
4) A student may modify a standard program by making application for enrolment in his own selection of courses. On satisfactory completion of any course a certificate will be issued; however, a student completing any number of such courses will not receive a diploma unless he has completed a standard program.

Grade Point Average

A grade-point system is used to determine performance. To determine a grade point average (GPA) divide the total grade points by the credit units of the course taken. The number following the title of a course indicates the credit unit value of the course in each program.

$$GPA = \frac{\text{Grade Points}}{\text{Credit Units}} \quad \text{(see glossary)}$$

A minimum grade-point average of 2.0 is needed to complete a program. Students may repeat courses in which a failing (F) or below average (D) grade has been received. Credit for a course is allowed but once in a program; both grades are counted in computing the grade-point average.

G L O S S A R Y O F T E R M S

HOUR/One period on the timetable.
SESSION/Any course length less than 14 weeks.
SEMESTER/ Any course length of 14 to 26 weeks.
CORE COURSES/are compulsory within a prescribed program which leads to a certificate or diploma.
OPTIONS/Alternative courses within a prescribed program. Under certain circumstances, options and/or electives may be chosen with the recommendation of the respective chairman.
CERTIFICATE/A certificate is issued upon satisfactory completion of a prescribed program less than 4 semesters in length.
DIPLOMA/A diploma is issued upon satisfactory completion of a prescribed program 4 semesters or more in length.

ENDORSEMENT/Credits for additional courses taken along with a prescribed program. The credit appears on the face of the certificate or diploma earned.
CREDIT UNIT/A unit used to indicate performance, that measures time spent according to the following table:

Type of Program	Credit Units	Periods/Shop or lab	Periods/Theory or Related Subjects	Per Semester or Session
Programs 1-39	1	3	2	Semester
Programs 40-69	1	2	1	Semester
Programs 70-99	1	2 or 3	1	Session

Note: Any fraction occurring (either 1/3 or 2/3) will be regarded as half a unit. Actual allocations are determined by the Chairman.

GRADE POINTS/Result from credit units multiplied by the point value of the grade.

Example:

Credit Units	Grade	Grade Points
3	B (3)	9

GRADE POINTS AVERAGE (GPA)/Results from total Grade Points earned divided by credit units attempted. Courses for which exemptions have been granted are not included in the calculation of the GPA.

The number of a program indicates the length of the program as follows:

1-39 Programs of 4 semesters or more
40-69 Programs of less than 4 semesters
70-99 Programs of 1 session

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM: ACADEMIC UPGRADING Basic Training for Skill Development (B.T.S.D.) Level I	GBC CODE NO.: AS 41 OMRP CODE NO.: 401		
LOCATION: Bloor Campus College Campus (Sem. 3)	LENGTH: Up to 60 weeks	FEES: Full 60 weeks $240.00	CERTIFICATION: Letter of Standing

PREREQUISITES:

Open to English-speaking students and to non-English-speaking students who can communicate orally; students having adequate communication and arithmetic skills may enter at Semesters 2 or 3.

GENERAL INFORMATION:

This program is designed for adults who wish to develop their basic literacy and computing skills for entry into a skill training course or for advancing to B.T.S.D. Level II.

Three core subjects (Mathematics, Language and Communication, and Science) are offered, plus optional courses related to the students' skill objective. Elective courses are in the fields of Social Sciences or "life skills".

Program Contents:

			Periods per week:	
Semester I - (AS41 - B1)				
ENG	142	Language and Communication	18	
MATH	142	Mathematics	12	
			30	
Semester II - (AS 41 - B2)				
ENG	143	Language and Communication	10	(periods per subject may vary slightly)
MATH	143	Mathematics	10	
PHYS	143	Science	} → 10	
ES		Elective Studies		
			30	
Semester III - (AS 41 - B3)				
ENG	143	Language and Communication	10	
MATH	143	Mathematics	10	
PHYS	143	Science	}	
		Optional Courses	} → 10	
ES		Elective Studies	}	
			30	

Minimum achievement is Grade-point score of 2.0, or C average (51-65) with no mark below D (45).

A letter of standing may be requested on leaving the program.

NAME OF PROGRAM: ACADEMIC UPGRADING Basic Training for Skill Development (B.T.S.D.) Level II	GBC CODE NO.: AS 42 (Comm.) OMRP CODE NO.: 402		
LOCATION: College Campus	LENGTH: 32 Weeks	FEES: $128.00	CERTIFICATION: CERTIFICATE

PREREQUISITES:

B.T.S.D. Level I certificate or grade 8 equivalent

GENERAL INFORMATION:

Students having Grade 9 equivalent may be allowed to enter at the 2nd Semester.

This program is designed to prepare adults for entry into Colleges of Applied Arts and Technology commercial courses that require equivalent of Grade 10 or for advancing to B.T.S.D. Level III.

In addition to the core subjects (Language and Communications, Mathematics and Science) optional courses in commercial subjects, such as typing, are offered. Elective studies are in the field of the Social Sciences and "life skills".

(AS 42 - C 1) Semester I - Gr. 9
(AS 42 - C 2) Semester 2 - Gr. 10

Program Contents:			Periods per week:
ENG	146	Language and Communication	7 (periods per
MATH	146	Mathematics	8 subject may
PHYS	146	Science	5 vary
TYP	146	Typing (or other Commercial)	7 slightly)
ES	146	Social Studies	3
			30

Successful completion of all courses to end of 2nd semester is required for certificate. A letter of standing may be requested on completion of less than the full course.

Minimum achievement is Grade-point score of 2.0 or C average (51-65) with no mark below D (45).

NAME OF PROGRAM: ACADEMIC UPGRADING Basic Training for Skill Development (B.T.S.D.) Level II	GBC CODE NO.: AS 42 (Tech) OMRP CODE NO.: 402		
LOCATION: College Campus	LENGTH: 32 Weeks	FEES: $128.00	CERTIFICATION: CERTIFICATE

PREREQUISITES:

B.T.S.D. Level I Certificate of Grade 8 equivalent

GENERAL INFORMATION:

Students having Grade 9 equivalent may be allowed entry at 2nd semester.

This program is designed to prepare adults for entry into Colleges of Applied Arts and Technology technical courses that require equivalent of Grade 10 or for advancing to B.T.S.D. Level III.

In addition to the core subjects (Language and Communications, Mathematics and Science) optional courses are offered in drafting and blueprint reading. Elective studies are in the field of the Social Sciences or "life skills".

(AS 42 - T 1) Semester I - Grade 9 equivalent
(AS 42 - T 2) Semester 2 - Grade 10 equivalent

Program Contents:			Periods per week:
ENG	146	Language and Communication	7 (periods per
MATH	146	Mathematics	8 subject may
PHYS	146	Science	6 vary
DR	146	Blueprint Reading	6 slightly)
ES	146	Social Studies	3
			30

Successful completion of all courses to end of 2nd semester is required for a certificate. A letter of standing may be requested on completion of less than the full course.

Minimum achievement is Grade-point score of 2.0 or C average (51-65) with no mark below D (45).

NAME OF PROGRAM:	GBC CODE NO.:
ACADEMIC UPGRADING Basic Training for Skill Development (B.T.S.D.) Level III	AS 43 (Comm.)
	OMRP CODE NO.: 403

LOCATION:	LENGTH:	FEES:	CERTIFICATION
TERAULAY CAMPUS	32 WEEKS	$128.00	CERTIFICATE

PREREQUISITES:

B.T.S.D. Level II Certificate or Grade 10 equivalent

GENERAL INFORMATION:

This program is designed to prepare adults for entry into Colleges of Applied Arts and Technology commercial courses that require equivalent of Grade 12.

In addition to core subjects (language and communications, mathematics and science) optional courses are offered in commercial subjects such as typing, merchandising, small business management. Elective studies are in the field of the Social Sciences and "life skills".

(AS 43 - C 3) Semester I - Grade 11 equivalent
(AS 43 - C 4) Semester II - Grade 12 equivalent

Program Contents:

			Periods per week:	
ENG	147	Language and Communication	7	(periods per
MATH	147	Mathematics	8	subject may
PHYS	147	Science	8	vary
TYP	147	Typing	5	slightly)
ES	146	Social Studies	2	
			30	

Successful completion of all courses to end of 2nd Semester is needed for a certificate. A letter of standing may be requested on completion of less than the full course.

Minimum achievement is Grade-point score of 2.0 or C average (51-65) with no mark below D (45).

Students successfully completing this course may apply to the Department of Education for Grade 12 standing in the 4 major subjects.

NAME OF PROGRAM	GBC CODE NO.:
ACADEMIC UPGRADING Basic Training for Skill Development (B.T.S.D.) Level III	AS 43 (Tech.)
	OMRP CODE NO.: 403

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
TERAULAY CAMPUS	32 WEEKS	$128.00	CERTIFICATE

PREREQUISITES:

B. T. S. D. Level II certificate or Grade 10 equivalent.

GENERAL INFORMATION:

This program is designed to prepare adults for entry into Colleges of Applied Arts and Technology technical courses that require equivalent of Grade 12.

In addition to the core subjects (language and communications, mathematics and science) optional courses are offered in drafting or blue-print reading. Elective studies are in the field of the Social Sciences and "life skills".

(AS 43 - T 3) Semester I - Grade II equivalent
(AS 43 - T 4) Semester II - Grade 12 equivalent

Program Contents:

			Periods per week:	
ENG	147	Language and Communications	7	(Periods per
MATH	147	Mathematics	8	subject may
PHYS	147	Physics and Chemistry	8	vary
DR	147	Blueprint Reading	5	slightly)
ES	146	Social Studies	2	
			30	

Successful completion of all courses to end of 2nd semester is needed for a certificate. A letter of standing may be requested on completion of less than the full course.

Minimum achievement is Grade-point score of 2.0 or C average (51-65) with no marks below D (45).

Students successfully completing this course may apply to the Department of Education for Grade 12 standing in the 4 major subjects.

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	OMRP CODE NO.:
ENGLISH AS A SECOND LANGUAGE	LT-40	408

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
COLLEGE CAMPUS TERAULAY CAMPUS	24 WEEKS	$96.00	LETTER

PREREQUISITES:
NONE

GENERAL INFORMATION:

The aim of this program is to provide the adult New Canadian with a level of fluency in English that will allow him to obtain appropriate employment.

The course emphasizes oral performance. The development of literacy skills is fostered to the degree relevant to the student's background and goal.

Program Contents:

Credit Units per Semester:

Periods per Week:

6 levels
4 weeks per level
40 periods per week
40 minutes per period

These levels are the primary frames of sequential grammatical and vocabulary development within the context of pertinent aspects of Canadian life.

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	OMRP CODE NO.:
OCCUPATIONAL ENGLISH	LT-70	438

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
BLOOR CAMPUS	6 WEEKS	$24.00	LETTER

PREREQUISITES: English Fluency equivalent to Level 6

GENERAL INFORMATION:

The purpose of this course is to teach terminology pertinent to specific employment areas. This course should only be initiated when there are sufficient students with the same occupational background and goal to form a class.

Program Contents:

Credit Units per Semester:

Periods per Week:

6 weeks
40 periods per week
40 minutes per period

The student is familiarized with the vocabulary and situations pertinent to the exercises of each occupation in Canada.

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	
ENGLISH LANGUAGE FOR PROVISIONAL TRADESMEN	LT 71	
	OMRP CODE NO.:	

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
TERAULAY CAMPUS	44 Weeks (Extension - 44 weeks, 7½ hrs. per week.	Based on $4.00 per week.	

PREREQUISITES:

Provisional certificate of qualification and recommendation by the Ontario Department of Labour.

GENERAL INFORMATION:

This course is designed to give the New Canadian tradesman sufficient English to write the Ontario Department of Labour's certified examination without the aid of a translator. The second, but equally important, aim is to give him enough English to pursue instruction in areas of his trade relevant to its practice in Canada in which his background may not be sufficient to meet Canadian standards.

Program Contents:

Credit Units per Semester:

Periods per Week:

Phase I - General English proficiency - 32 weeks

Phase II - The language of specific trades - 12 weeks

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	
CHILD CARE WORKER	AP 1	
	OMRP CODE NO.:	

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
KENSINGTON CAMPUS	2 YEARS	$160.00 per year	DIPLOMA

PREREQUISITES:

Grade 12 minimum, preferably experienced with groups of children. Mature personality with broad life experience. Personal interview necessary. Minimum age - 18 years.

GENERAL INFORMATION:

Child Care Workers are responsible for the twenty-four hour care of disturbed children living away from their homes. Child Care Work is concerned with children from six years to the end of adolescence. Practical experience is gained through field work when students are under the direction of skilled supervisors who advise and guide them in their care of disturbed children.

Child Care Workers find employment in provincial institutions, treatment centres, private social agencies, group homes and hospitals.

Program Contents:

			Hours per week:
FIRST YEAR			
CHI	160	Field Practice	24
CHI	161	Human Growth and Development	3
CHI	162	Health and First Aid	1 1/2
CHI	164	Caring for the Disturbed Child	1 1/2
CHI	165	Activities with Children	1 1/2
CHI	166	Social Services	1 1/2
CHI	167	Student Group Seminar	1
CHI	168	Therapy of Play	1
CHI	169	Introductory Psychology	1
			36
SECOND YEAR			
CHI	260	Field Practice	24
CHI	261	Psychopathology of Childhood	1 1/2
CHI	262	Caring for the Disturbed Child	1 1/2
CHI	263	Individual in Society	1 1/2
CHI	265	Activities with Children (includes swimming)	2
CHI	267	Student Group Seminar	1
CHI	268	Treatment Philosophies	1 1/2
CHI	269	Professional Development (1/2 year)	1 1/2
CHI	270	Group Process (1/2 year)	
CHI	271	Therapeutic Programming	1
			35 1/2

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	LOCATION:	LENGTH:	FEES:	CERTIFICATION:
DENTAL TECHNICIAN	AP 2	CASA LOMA CAMPUS	3 YEARS	$160.00 per year	DIPLOMA
	OMRP CODE NO.:				

PREREQUISITES: A minimum of Grade 12 with Chemistry and Physics and in addition candidates should either have or develop a high degree of manual dexterity.

GENERAL INFORMATION:

The dental technician may be employed by one dentist or he may operate a laboratory alone; he may be the owner of a laboratory employing a few or more technicians or he may be an employee in a laboratory owned by an individual or a firm.

With the guidance and advice of a committee representing both the Royal College of Dental Surgeons of Ontario and the Governing Board of Dental Technicians, a 3 year program of studies is provided. This will include the theory and practice of all aspects of dental laboratory work and will include a related subject program designed to give insight into the problems of small business Management.

Program Contents:			Credit Units per Semester:	Periods per Week:
FIRST YEAR				
DENT	100	Dental Lab. and Lec. I	13	19
DENT	101	Dental Materials	1	1
DENT	102	Dental Anatomy	1	1
ENG	100	Language and Communication	2	2
DENT	103	Science of Dental Materials	2	2
CHEM	107	Chemistry	2	2
EC	100	Economics	1	1
MATH	107	Technical Mathematics	2	2
			24	30
SECOND YEAR				
DENT	200	Dental Lab. and Lec. II	17	23
ES	211	Elective Studies	1	1
MET	300	Metallurgy	2	2
MATH	207	Business Mathematics	1	1
CHEM	207	Chemistry	2	2
EC	200	Economics (Semester II)	1	1
			24	30
THIRD YEAR				
DENT	300	Dental Lab. and Lec. III	22	30
			22	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	LOCATION:	LENGTH:	FEES:	CERTIFICATION:
ADDICTION COUNSELLOR	AP 3	KENSINGTON CAMPUS	2 YEARS	$160.00 per year	DIPLOMA
	OMRP CODE NO.:				

PREREQUISITES:

Grade 13 with volunteer welfare experience, post high school work, or both. Mature men and women with a good life experience are needed for this emotionally demanding work.

GENERAL INFORMATION:

Generally restricted to older students with volunteer welfare experience, post high school work, or both. A good command of English is needed, both verbal and written. Grade 13 graduates or those with the ability to cope at this level, and mature men and women with a good life experience are needed for this emotionally demanding work. Stable people, relatively free from personal problems, who communicate well on a feeling level and who show warmth and empathy, are given the highest preference. Applicants may be drawn from people with widely differing experience; the home, recent school graduation, the ministry, nursing, volunteer work, business, industry and other fields. Course given on alternate years. Next Admission 1973.

Due to the highly selective nature of the interviewing procedure, a final decision will inevitably be delayed until approximately mid-May. The process of student selection involves group interviews with both staff and members of the graduating class, and while not the determining factor, these interviews are mutually helpful in reaching a decision on admissions.

Employment Opportunities: Addiction Counsellors are trained to meet a growing public problem of chemical dependency, and learn to give services to a variety of individuals, agencies, and to the community.

Program Contents:			Hours per Week:
FIRST YEAR			
AD	100	Field Practice	16
AD	101	Human Growth and Behaviour	2
AD	102	Group Process	2 1/2
AD	103	Social Services & Community Interaction	2
AD	104	Pharmacology and Physiology	1
AD	105	Basic Studies in Addiction	2
AD	106	Theories of Personality	2
AD	107	Introductory Sociology	2
AD	108	Philosophy	1
			30 1/2

NAME OF PROGRAM: ADDICTION COUNSELLOR CONT'D

GBC CODE NO.: AP 3

OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:
SECOND YEAR

			Hours per Week:
AD	200	Field Practice	24
AD	201	Abnormal Behaviour & Dysfunctional Families	2
AD	202	Group Process	2 1/2
AD	203	Environmental Studies and the Family	2
AD	204	Basic Studies in Addiction	2
AD	205	Practice of Therapy	2
			34 1/2

NAME OF PROGRAM: JEWELLERY ARTS

GBC CODE NO.: AP 4

OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
CASA LOMA CAMPUS	2 YEARS Open 3rd year	$160.00 per year	DIPLOMA 2 yrs DIPLOMA 3 yrs

PREREQUISITES: Grade 12 of the 4 or 5 yr. program preferably with art options or a mature student with demonstrated interest and/or ability.

GENERAL INFORMATION:

Specialization is growing and thus our jewellery arts program is designed with this in mind. The initial ten weeks of the two-year program are devoted to the care and use of tools and equipment, basic processes, techniques, and elementary design. During the balance of the first year and second year students may select an area of Concentration: Goldsmithing, Gem-setting, Engraving, or Silversmithing. In order to qualify for a certificate a student must participate in all designed areas in order to gain sufficient credits; (22 credit hours for first year and 23 credit hours for the second year). A third year is also offered.

Program Contents:

			Credit Units per Semester:	Periods per Week:
FIRST YEAR				
JWL	160	Introduction to Jewellery	2	
Specialization depending on 10 Week Operation				
JWL	161	Goldsmithing	4	
	or			
JWL	162	Gem-setting	4	
	or			
JWL	163	Engraving	4	
	or			
JWL	164	Silversmithing	4	
JWL	165	Theory of the Area of Specialization	2	
MET	166	Metallurgy	2	
GEM	167	Gemmology	2	
CHEM	168	Chemistry	2	
DES	169	Design	2	
ENG	132	Language and Communication	2	
SBM	132	Small Business Management	2	
ENA	170	Enamelling	2	
			22	

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.: AP 4
JEWELLERY ARTS Cont'd..	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:		Credit Units per Semester:	Periods per Week:
SECOND YEAR			
Specialization depending on first year operation			
JWL 261	Goldsmithing	9	
or			
JWL 262	Gem-setting	9	
or			
JWL 263	Engraving	9	
or			
JWL 264	Silversmithing	9	
JWL 265	Theory of the Area of Specialization	3	
MET 266	Metallurgy	2	
GEM 267	Gemmology	3	
DES 269	Design	2	
ENA 270	Enamelling	2	
		21	

THIRD YEAR

Open Program
Programs are arranged on an individual basis

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.: AP 5
DAY CARE WORKER	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
KENSINGTON CAMPUS	2 YEAR	$160.00 per year	DIPLOMA

PREREQUISITES:

Grade 12 minimum preferably experienced with infants and very young children. Mature personality with broad life experience. Personal interview necessary.

GENERAL INFORMATION:

The increasing provision of day care facilities for infants by Metro Toronto Social Planning Council and by independent provincially accredited organizations indicates that employment prospects are excellent. It should be noted that this program has been designed for individuals who have a very special interest in the provision of quality and family oriented day care services.

Program Contents:		Hours per week:
FIRST YEAR		
DCW 100	Human Growth and Development	1 1/2
DCW 101	Family Dynamics and Cultural Change	2
DCW 102	Principles of Mental Health (1/2 year)	1
DCW 103	The Development & Significance of Play	2
DCW 104	Caring for Children	1 1/2
DCW 105	Health and First Aid	1
DCW 106	Nutrition (1/2 year)	1
DCW 107	Parent Interviewing and Counselling	1
DCW 108	Supervised Field Practice	20
		31
SECOND YEAR		
DCW 200	Child Growth & Development 1st 3 years of life	2
DCW 201	Children with Special Needs	1
DCW 202	Legislation and the Social Services	1
DCW 203	Activities with Children	2
DCW 204	Professional Development and Ethics	1
DCW 205	Planning & Management of Day Care Facilities	2
DCW 206	Varieties of Day Care Provision	1
DCW 208	Supervised Field Practice	20
		30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	
DENTAL ASSISTANT	AP 41	
	OMRP CODE NO.:	

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
CASA LOMA CAMPUS	1 YEAR	$160.00 per year	CERTIFICATE

PREREQUISITES: Grade 12 of the four or five year program with Mathematics and preferably at least one science. Typwriting (proficiency of 30 w.pm. or applicant will be required to enrol in a typing course). Personal interview necessary.

GENERAL INFORMATION:

The graduate of this program will have received a background in the dental sciences, operating room assistance, dental materials and limited dental laboratory methods, dental X-ray techniques, as well as business procedures that will allow her to function as an effective member of the dental team.

Since the Dental Assistant is in constant contact with the public, she should have poise and an outgoing personality.

Program Contents:			Credit Units per Semester:	Periods per Week:
SEMESTER I				
DENT	104	Basic Health Science	4	4
DENT	102	Dental Anatomy	2	2
DENT	105	Dental Laboratory	1	3
DENT	106	Dental Materials	2	2
DENT	107	Dental Assisting	5	10
PSY	205	Psychology	1	1
DENT	108	Professional Development	1	1
OP	114	Office Practice	4	5
ENG	110	Business English & Correspondence	3	2
			23	30
SEMESTER II				
DENT	107	Dental Assisting	2	4
DENT	102	Dental Anatomy	2	2
DENT	109	Dental Radiology	2	3
DENT	105	Dental Laboratory	1	2
DENT	110	Oral Hygiene	1	1
OP	114	Office Practice	5	5
DENT	111	Clinical Practice	7	13
			20	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	
HOSPITAL ORDERLY (TRAINING)	AP 50	
	OMRP CODE NO.:	627

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
COLLEGE STREET CAMPUS	20 WEEKS	$80.00	CERTIFICATE

PREREQUISITES: Candidate must have Grade 10 or equivalent standing. Applications should be made through Canada Manpower or the Principal of College Campus.

GENERAL INFORMATION:

The role of the hospital orderly in the nursing profession is one of ever-growing importance and rising status. He works under the direction of the professional nurse, caring for male patients with special emphasis on individual care. Professional preparation includes self-knowledge and attention to personal health and well-being. This focus moves from self to others and from health to illness. The emotional and physical demands of his work require a hospital orderly to have a tactful and pleasant manner and ability to work with others and to be adaptable. He should be observant, conscientious and reliant in the performance of his duties and have a genuine concern in caring for the sick.

Program Contents:			Credit Units per Semester:	Periods per Course:
HO	130	Hospital organization and routines		65
HO	131	Patient care + Mental Health		100
HO	132	Nursing procedures and skills + First Aid		70
HO	133	Anatomy and physiology (systems and approach)		25
HO	134	Nutrition and dietetics		10
HO	135	Practical work in hospital		300
PHYS	150	Science		30
		TOTAL HOURS		600

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	LOCATION:	LENGTH:	FEES:	CERTIFICATION:
NURSERY AIDE	AP 51	COLLEGE STREET CAMPUS	16 WEEKS	$48.00	CERTIFICATE
	OMRP CODE NO.: 429				

PREREQUISITES: Grade 10, through Canada Manpower of George Brown College.

GENERAL INFORMATION:

The nursery aide is engage in the actual care and guidance of pre-school age children under the direction of a qualified nursery supervisor in a nursery school or day nursery. Knowledge of the basic aims and procedures of routine and play activities in different types of nurseries is essential as well as a knowledge of young children. Physical stamina and good health are required in this field, as it is often necessary to lift a child or move materials and equipment. Because the adults in a nursery must work well together it is essential that positive mental health habits are practised.

In order to gain practical experience and to have the opportunity to observe young children, students are placed in day nurseries in the community.

Program Contents:

			Periods per Course:
NA	130	History of Preschool Education	12
NA	131	Types of Nursery Settings	6
NA	132	Guidance Methods	92
NA	133	Programs-Routine and Play	92
NA	134	Staff Relationships	18
NA	135	Child Development	64
NA	136	Mental Health	18
NA	137	First Aid	18
NA	138	Field Practice	144
NA	139	Creative Activities with Children	16
		TOTAL HOURS	480

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM.	GBC CODE NO.:	LOCATION:	LENGTH:	FEES:	CERTIFICATION:
CERTIFIED VISITING HOMEMAKER	AP 72	COLLEGE STREET CAMPUS	12 WEEKS	$48.00	CERTIFICATE
	OMRP CODE NO.: 414				

PREREQUISITES: A mature woman with emotional steadiness, physical vigour, sincere interest and tolerance for all people plus some experience in plain cooking, child care and home management.

GENERAL INFORMATION:

This course is designed to prepare mature women to assume the management of a home in order to maintain and preserve wholesome family life either under normal circumstances or when family life is threatened with disruption because of illness, death, social maladjustment or when other problems arise.

Visiting Homemakers find employment with Visiting Homemaker Associations throughout the province, Children's Aid Societies, commercial family or service agencies, Canada Manpower Employment Service, Welfare departments or such related fields as nursing homes or private employment.

Program Contents:

			Credit Units per Semester:	Periods per Course:
VH	130	Child Growth and Development		36
VH	131	Function of the Family		20
VH	132	Geriatrics		18
VH	133	First Aid		18
VH	134	Home Nursing and Child Care		36
VH	135	Home Management and Budgeting		58
VH	136	Household Skills		36
VH	137	Community Resources		30
VH	138	Nutrition and Food Preparation		72
VH	139	Personal Guidance		6
VH	140	Mental Health		18
VH	141	Role of Visiting Homemaker		12
		TOTAL HOURS		360

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.: AR 1
AIR CONDITIONING TECHNICIAN	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
CASA LOMA CAMPUS	2 YEARS	$160.00 per year	DIPLOMA

PREREQUISITES:

Grade 12

GENERAL INFORMATION:

The Air Conditioning technician has a specialized working knowledge of the design, installation and operation of air conditioning systems in residential, commercial and industrial buildings.

There are many challenging opportunities in the air conditioning industry for trained technicians interested in occupations such as sales promotion, system design, job estimating, contract supervision and system balancing.

Program Contents:			Credit Units per Semester:	Periods per Week:
FIRST YEAR Semester 1				
AIR	100	Refrigeration	8	10
AIR	105	Air Conditioning	6	7
DR	124	Drafting	2	2
EL	100	Electrical Fundamentals	3	3
INST	102	Instrumentation Fundamentals	2	2
MATH	100	Mathematics	3	3
ENG	100	Language and Communication	2	2
PHYS	100	Applied Physics 1	2	2
			28	31

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.: AR 1
AIR CONDITIONING TECHNICIAN Cont'd..	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:			Credit Units per Semester:	Periods per Week:
FIRST YEAR Semester 11				
AIR	105	Air Conditioning	6	7
AIR	107	Hydronic Heating	2	2
DR	124	Drafting	2	2
EL	100	Electrical Fundamentals	3	3
HT	104	Heating	6	8
MATH	100	Mathematics	3	3
ENG	100	Language and Communication	2	2
PHYS	100	Applied Physics 1	2	2
			26	29

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.: AR 1
AIR CONDITIONING TECHNICIAN Cont'd..	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
CASA LOMA CAMPUS	2 YEARS	$160.00 per year	DIPLOMA

PREREQUISITES:

Grade 12

GENERAL INFORMATION:

The Air Conditioning technician has a specilized working knowledge of the design, installation and operation of air conditioning systems in residential, commercial and industrial buildings.

There are many challenging opportunities in the air conditioning industry for trained technicians interested in occupations such as sales promotion, system design, job estimating, contract supervision and system balancing.

Program Contents:			Credit Units per Semester:	Periods per Week:
SECOND YEAR	Semester 1			
AIR	201	Automatic Controls	3	3
AIR	203	Air Conditioning Systems and Equipment	7	9
DR	232	Drafting	3	4
HT	114	Heating	4	5
WELD	145-6	Welding	2	2
MATH	200	Mathematics	3	3
ENG	200	Language and Communication	2	2
MECH	102	Mechanics	2	2
			26	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.: AR 1
AIR CONDITIONING TECHNICIAN Cont'd..	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:			Credit Units per Semester:	Periods per Week:
SECOND YEAR	Semester II			
AIR	200	Refrigeration	6	7
AIR	201	Automatic Controls	3	3
AIR	203	Air Conditioning Systems and Equipment	7	9
AIR	205	Estimating	4	4
MATH	200	Mathematics	3	3
ENG	200	Language and Communication	2	2
MECH	102	Mechanics	2	2
			27	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:
CIVIL ENGINEERING SURVEY TECHNICIAN - Legal Option	AR 2
	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
CASA LOMA CAMPUS	2 YEARS	$160.00 per year	DIPLOMA

PREREQUISITES:

Grade 12

GENERAL INFORMATION:

The Survey Technician Program (Legal Option) provides the basic theoretical and practical knowledge required for those who wish to enter surveying at the senior technician level.

The experienced graduate could expect to find employment as a draftsman, a document technican, or a junior surveyor working in the field of legal surveys, control surveys or engineering surveys. He would be working with other people as part of a team and his tools would be electronic computers or sophisticated measuring devices.

The graduate will be accepted by the Association of Certified Survey Technicians and Technologists of Ontario as a senior survey technician upon completion of two years of satisfactory work experience.

At the end of the first semester, students with technologist potential, may be permitted to transfer to the technologist program.

Program Content:

			Credit Units per Semester:	Periods per Week:
FIRST YEAR				
		SEMESTER I		
CIV	100	Construction Materials and Methods	12	12
DR	120	Descriptive Geometry I	1.5	2
SURV	110	Surveying	2.5	4
MATH	100	Mathematics	5	5
ENG	100	Language and Communication	2	2
MECH	100	Mechanics	5	5
			28	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:
CIVIL ENGINEERING SURVEY TECHNICIAN - Legal Option (cont'd)	AR 2
	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Content:

			Credit Units per Semester:	Periods per Week:
		SEMESTER II		
DR	121	Descriptive Geometry	1.5	2
SURV	100	Survey Computations & Drafting	5.5	8
SURV	101	Plane Surveying	5.5	8
MATH	100	Mathematics	5	8
ENG	100	Language and Communication	2	2
PHYS	100	Applied Physics I	5	5
			24.5	30
SECOND YEAR				
CIV	202	Municipal Services	3	3
SURV	200	Survey Computations and Drafting	3	5
SURV	201	Advanced Plane Surveying	4	6
SURV	202	Photogrammetry	2	2
SURV	203	Practical Astronomy	2	2
SURV	204	Legal Surveying	4	4
MATH	120	Applied Computer Programming	2	2
MATH	200	Mathematics	4	4
ENG	200	Language and Communication	2	2
			26	30

NAME OF PROGRAM:	GBC CODE NO.:
CIVIL ENGINEERING SURVEY TECHNICIAN - Municipal Engineering Option	AR 2
	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
CASA LOMA CAMPUS	2 YEARS	$160.00 per year	DIPLOMA

PREREQUISITES: Grade 12

GENERAL INFORMATION:

This program provides basic theoretical and practical training for those who seek a career in the design, planning or construction of projects in the field of Municipal Engineering, such as highways, structures, surveying, pollution control and utilities.

On graduation, the student who elects to take the Municipal option could expect to find employment with consulting engineers, highway departments, construction firms or planning departments.

He can be employed as design draftsman, engineering assistant, site surveyor, construction supervisor or quality inspector.

Program Content:

			Credit Units per Semster:	Periods per Week:
FIRST YEAR				
		SEMESTER I		
CIV	100	Construction Materials and Methods	12	12
DR	120	Descriptive Geometry I	1.5	2
SURV	110	Surveying	2.5	4
MATH	100	Mathematics	5	5
ENG	100	Language and Communication	2	2
MECH	100	Mechanics	5	5
			28	30
		SEMESTER II		
CIV	101	Engineering Drawing & Design	4	6
CO	103	Construction Materials	3	3
DR	121	Descriptive Geometry	1.5	2
SURV	101	Plane Surveying	5.5	8
MATH	100	Mathematics	5	5
ENG	100	Language and Communication	2	2
PHYS	100	Applied Physics I	5	5
			26	31

NAME OF PROGRAM:	GBC CODE NO.:
CIVIL ENGINEERING SURVEY TECHNICIAN - Municipal Engineering Option (cont'd)	AR 2
	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Content:

			Credit Units per Semester:	Periods per Week:
SECOND YEAR				
CIV	200	Structural Drawing & Design	4	4
CIV	202	Municipal Services	3	3
CIV	203	Highway Technology	5	5
CIV	204	Specifications and Estimating	2	2
SURV	201	Advanced Plane Surveying	4	6
MATH	120	Applied Computer Programming	2	2
MATH	200	Mathematics	4	4
ENG	200	Language and Communication	2	2
MECH	110	Mechanics of Materials	2	2
			28	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:
CIVIL ENGINEERING - Construction Technician	AR 3
	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
CASA LOMA CAMPUS	2 YEARS	$160.00 per year	DIPLOMA

PREREQUISITES: Grade 12

GENERAL INFORMATION:

This program was developed in co-operation with the Ontario General Contractors' Association and a committee representing the Construction and allied Industries. The program is designed to prepare young men to enter the construction industry in various capacities leading to positions as estimators, expeditors, building inspectors, building products salesmen, field engineers and superintendents. These positions are not seasonal in nature.

Program Contents:			Credit Units per Semester:	Periods per Week:
FIRST YEAR				
		SEMESTER I		
CIV	100	Construction Materials and Methods	12	12
DR	120	Descriptive Geometry I	1.5	2
SURV	110	Surveying	2.5	4
MATH	100	Mathematics	5	5
ENG	100	Language and Communication	2	2
MECH	100	Mechanics	5	5
			28	30
		SEMESTER II		
CO	100	Building Construction	2.5	4
CO	101	Quantity Surveying I	8	8
CO	102	Mechanical Installations I	3	3
CO	103	Construction Materials	3	3
MATH	100	Mathematics	5	5
ENG	100	Language and Communication	2	2
PHYS	100	Applied Physics I	5	5
			28.5	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:
CIVIL ENGINEERING - CONSTRUCTION TECHNICIAN Cont'd..	AR 3
	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:			Credit Units per Semester:	Periods per Week:
SECOND YEAR				
CO	104	Site Engineering	1.5	2
CO	200	Building Construction	2.5	4
CO	201	Quantity Surveying II	6	6
CO	202	Mechanical Installations II	4	4
CO	203	Contracts and Specifications	4	4
MATH	200	Mathematics	4	4
ENG	200	Language and Communication	2	2
EC	100	Economics	2	2
MECH	110	Mechanics of Materials	2	2
			28	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.: AR 4
DRAFTING TECHNICIAN - ARCHITECTURAL	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
CASA LOMA CAMPUS	2 YEARS	$160.00 per year	DIPLOMA

PREREQUISITES:

Grade 12

GENERAL INFORMATION:

This program is designed to provide technicians for architects' offices, construction companies, engineering firms, and government departments. The program of instruction is arranged to provide skills in architectural drawing, detailing, rendering, and model building; and to provide knowledge of architectural design, contracts, organization, and business relationships.

Graduates find employment as draftsmen, field representatives, building products salesmen, and expeditors.

Program Contents:			Credit Units per Semester:	Periods per Week:
FIRST YEAR		Semester 1		
CIV	100	Construction Materials and Methods	12	12
DR	120	Descriptive Geometry 1	1.5	2
SURV	110	Surveying	2.5	4
MATH	100	Mathematics	5	5
ENG	100	Language and Communication	2	2
MECH	100	Mechanics	5	5
			28	30
		Semester 11		
ARCH	100	Materials and Methods	2	2
DR	102	Architectural Drafting 1	6.5	10
DR	120	Descriptive Geometry 1	1.5	2
MATH	100	Mathematics	5	5
ENG	100	Language and Communication	2	2
EC	100	Economics	4	4
PHYS	100	Applied Physics 1	5	5
			26	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.: AR 4
DRAFTING TECHNICIAN - ARCHITECTURAL Cont'd	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:			Credit Units per Semester:	Periods per Week:
SECOND YEAR				
ARCH	200	Materials and Methods	3	3
ARCH	201	History of Architecture	1	1
CO	101	Quantity Surveying	1	1
DR	111	Mechanical Drafting	2	3
DR	115	Structural Drafting	1.5	2
DR	202	Architectural Drafting 11	6.5	10
DR	220	Descriptive Geometry 11	1.5	2
MATH	200	Mathematics	4	4
ENG	200	Language and Communication	2	2
MECH	100	Mechanics of Materials	2	2
			24.5	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	LOCATION:	LENGTH:	FEES:	CERTIFICATION:
DRAFTING TECHNICIAN - GENERAL	AR 5	CASA LOMA CAMPUS	2 YEARS	$160.00 per year	DIPLOMA
	OMRP CODE NO.:				

PREREQUISITES: Grade 12

GENERAL INFORMATION:

Versatility is the keynote of this program by preparing a draftsman for industry who has a general knowledge of the architectural, civil, survey and mechanical fields. A draftsman with such a versatile background should be an asset to any drafting office in that his services could be utilized in the various drafting fields.

Program Contents:

			Credit Units per Semester:	Periods per Week:
FIRST YEAR		Semester 1		
CIV	100	Construction Materials and Method	12	12
DR	120	Descriptive Geometry 1	1.5	2
SURV	110	Surveying	2.5	4
MATH	100	Mathematics	5	5
ENG	100	Language and Communication	2	2
MECH	100	Mechanics	5	5
			28	30
		Semester 11		
DR	102	Architectural Drafting 1	6	9
DR	125	Machine Drafting 1	5.5	8
DR	108	Structural Drafting 1	2.5	4
DR	120	Descriptive Geometry 1	1.5	2
MATH	100	Mathematics	5	5
ENG	100	Language and Communication	2	2
			22.5	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	LOCATION:	LENGTH:	FEES:	CERTIFICATION:
DRAFTING TECHNICIAN - GENERAL Cont'd..	AR 5				
	OMRP CODE NO.:				

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:

			Credit Units per Semester:	Periods per Week:
SECOND YEAR				
DR	154	Art and Presentation	1.5	2
DR	202	Architectural Drafting 11	4.5	7
DR	231	Machine Drafting 11	4	6
MACH	110	Workshop Technology	2	4
MATH	200	Mathematics	4	4
ENG	200	Language and Communication	2	2
MECH	110	Mechanics of Materials	2	2
PHYS	100	Applied Physics 1	3	3
			23	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM.	GBC CODE NO.: AR 6
CIVIL ENGINEERING - SURVEY TECHNOLOGIST	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
CASA LOMA CAMPUS	2 YEARS	$160.00 per year	DIPLOMA

PREREQUISITES:

Ontario Grade 12 with above average in Mathematics and Science.

GENERAL INFORMATION:

The Survey Technologist program prepares the graduate to cope with a wide range of tasks varying from quite simple operations to the solution of complex technical problems requiring technical proficiency and personal judgement.

Graduates of the program may find employment in government offices or with a firm of Ontario Land Surveyors.

The survey technologist is equipped to operate at the senior party chief level. He could also fill the position of senior draftsman or office manager in a survey office. He would be qualified to accept responsibility for a project from its inception to its conclusion and to consult with the professional or enginee on the legal and technical aspects of the project.

In practicing his career the survey technologist is involved in operating survey equipment, carrying out field, topographical, and legal surveys, interpreting aerial photographs, preparing field notes, programming computers, searching property ownership, and preparing plans and documents.

Program Contents:

			Credit Units per Semester:	Periods Per Week:
FIRST YEAR				
		Module I		
CIV	100	Construction Materials and Methods	12	12
DR	120	Descriptive Geometry I	1.5	2
SURV	110	Surveying	2.5	4
MATH	100	Mathematics	5	5
ENG	100	Language and Communication	2	2
MECH	100	Mechanics	5	5
			28	30

NAME OF PROGRAM.	GBC CODE NO.: AR 6
CIVIL ENGINEERING - SURVEY TECHNOLOGIST Cont'd..	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:

			Credit Units per Semester:	Periods Per Week:
FIRST YEAR cont'd				
		Module II		
DR	121	Descriptive Geometry	1.5	2
SURV	100-T	Survey Computations and Drafting	3.5	5
SURV	101-T	Plane Surveying	5.5	8
MATH	100-T	Mathematics	5	5
ENG	100	Language and Communication	2	2
EC	100	Economics	4	4
PHYS	100-T	Applied Physics I	5	5
			26.5	31
		Module III		
DR	221	Descriptive Geometry	1.5	2
SURV	200-T	Survey Computations and Drafting	4.5	7
SURV	201-T	Advanced Plane Surveying	6.5	10
MATH	200-T	Mathematics	5	5
ENG	200	Language and Communication	2	2
EL	130	Electrical Fundamentals	3	4
			22.5	30

Technical Report between third and sixth modules.

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM: CIVIL ENGINEERING
SURVEY TECHNOLOGIST Cont'd..

GBC CODE NO.: AR 6

OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:

		Credit Units per Semester:	Periods per Week:
SECOND YEAR			
	Module IV		
CIV 202	Municipal Services	4	4
SURV 200-T	Survey Computations and Drafting	2.5	4
SURV 201-T	Advanced Plane Surveying	4	6
SURV 202	Photogrammetry	2	2
SURV 203	Practical Astronomy	2	2
SURV 204	Legal Surveying	2	2
MATH 200-T	Mathematics	5	5
ENG 200	Language and Communication	2	2
MATH 120	Applied Computer Programming	4	4
		27.5	31
	Module V		
CIV 202	Municipal Services	4	4
SURV 203	Practical Astronomy	2	2
SURV 204	Legal Surveying	2	2
SURV 300-T	Cartography	2.5	4
SURV 301-T	Advanced Plane Surveying	5.5	8
SURV 302-T	Photogrammetry	3	3
MATH 300-T	Mathematics (Statistics)	5	5
ENG 332	Business Communication	2	2
		26	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM: CIVIL ENGINEERING
SURVEY TECHNOLOGIST Cont'd..

GBC CODE NO.: AR 6

OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:

		Credit Units per Semester:	Periods per Week:
SECOND YEAR Cont'd			
	Module VI		
CIV 302-T	Municipal Services	4	4
SURV 300-T	Cartography	4	6
SURV 301-T	Advanced Plane Surveying	4	6
SURV 302-T	Photogrammetry	3	3
SURV 303-T	Practical Astronomy	2	2
SURV 304-T	Legal Surveying	2	2
MATH 301-T	Mathematics (Matrices)	5	5
ENG 332	Business Communication	2	2
		26	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:
DRAFTING TECHNICIAN- MECHANICAL SERVICES	AR 7
	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
CASA LOMA CAMPUS	2 YEARS	$160.00 per year	DIPLOMA

PREREQUISITES:

Grade 12

GENERAL INFORMATION:

This program is designed to prepare technicians for positions in an architect's or consultant's office as a draftsman or estimator in the mechanical installation department. The student will gain some knowledge of the design and a thorough knowledge of the graphical layout of all the mechanical services required in an architectural structure, plus a general knowledge of the architectural and structural components and methods of construction. A very broad and indepth study is taken in the areas of air conditioning, refrigeration, warm air, water and steam heating systems, plumbing and drainage systems.

Program Contents:

			Credit Units per Semester:	Periods per Week:
FIRST YEAR				
		Semester I		
CIV	100	Construction Materials and Methods	12	12
DR	120	Descriptive Geometry I	1.5	2
SURV	110	Surveying	2.5	4
MATH	100	Mathematics	5	5
ENG	100	Language and Communication	2	2
MECH	100	Mechanics	5	5
			28	30

NAME OF PROGRAM:	GBC CODE NO.:
DRAFTING TECHNICIAN MECHANICAL SERVICES Cont'd	AR 7
	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:

			Credit Units per Semester:	Periods per Week:
FIRST YEAR				
		Semester II		
DR	106	Architectural Drafting I	2.5	4
DR	107	Mechanical Installation Drafting I	5.5	8
DR	109	Electrical Installation Drafting I	2.5	4
DR	120	Descriptive Geometry I	1.5	2
MATH	100	Mathematics	5	5
ENG	100	Language and Communication	2	2
PHYS	100	Applied Physics I	5	5
			24	30
SECOND YEAR				
DR	228	Air Conditioning and Refrigeration	5.5	8
DR	229	Heating Systems	2.5	4
DR	230	Plumbing Systems	4	6
MATH	200	Mathematics	4	4
ENG	200	Language and Communication	2	2
MECH	110	Mechanics of Materials	3	3
MECH	115	Mechanics of Fluids	3	3
			24	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	
DRAFTING TECHNICIAN - STRUCTURAL	AR 8	
	OMRP CODE NO.:	

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
CASA LOMA CAMPUS	2 YEARS	$160.00 per year	DIPLOMA

PREREQUISITES: Grade 12

GENERAL INFORMATION:

For the young man gifted with a talent for technical work, the opportunity to play a part in the construction industry offers a most interesting vocation. To be one of the team which is building the modern scene is itself a satisfying experience. It is for the purpose of assisting the young man with ambition that this program is offered. Graduates of the program will find a waiting field in engineering offices, fabricating companies, municipal and governmental offies.

Program Contents:

			Credit Units per Semester:	Periods per Week:
FIRST YEAR		Semester 1		
CIV	100	Construction Materials and Methods	12	12
DR	120	Descriptive Geometry 1	1.5	2
SURV	110	Surveying	2.5	4
MATH	100	Mathematics	5	5
ENG	100	Language and Communication	2	2
MECH	100	Mechanics	5	5
			28	30
		Semester 11		
CO	200	Building Construction	2.5	4
DR	120	Descriptive Geometry 1	2.5	4
STR	122	Structural Detailing	6.5	10
MATH	100	Mathematics	4	4
ENG	100	Language and Communication	2	2
MECH	110	Mechanics of Materials	6	6
			23.5	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	
DRAFTING TECHNICIAN - STRUCTURAL Cont'd	AR 8	
	OMRP CODE NO.:	

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:

			Credit Units per Semester:	Periods per Week:
SECOND YEAR		Semester 1		
CO	103	Construction Materials	3	3
CO	204	Mechanical and Electrical Installations	2	3
STR	212	Structural Steel - Problems and Drawing	5.5	8
STR	213	Reinforced Concrete - Problems and Drawing	4.5	7
MATH	200	Mathematics	4	4
ENG	200	Language and Communication	2	2
MECH	210	Mechanics of Materials	3	3
			24	30
		Semester 11		
CO	103	Construction Materials	3	3
CO	204	Mechanical and Electrical Installations	2	3
STR	214	Project Drawing	10	15
MATH	200	Mathematics	4	4
ENG	200	Language and Communication	2	2
MECH	210	Mechanics of Materials	3	3
			24	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM: CIVIL ENGINEERING - CONCRETE TECHNICIAN		GBC COOE NO.: AR 9	
		OMRP COOE NO.:	
LOCATION: CASA LOMA CAMPUS	LENGTH: 2 YEARS	FEES: $160.00 per year	CERTIFICATION: DIPLOMA

PREREQUISITES: Grade 12

GENERAL INFORMATION:

This program is designed to equip the graduate with the knowledge and techniques required for employment within the ever-expanding concrete industry.

The graduate will be able to operate at a significant and unique place in the labour force - between the engineer and the skilled craftsman. He will be familiar with the responsibilities and talents of both.

The curriculum has been designed to encompass a wide range of courses and will open up job opportunities in concrete construction, inspection, manufacturing, supply and sales.

Program Contents:			Credit Units per Semester:	Periods per Week:
FIRST YEAR		Semester 1		
CIV	100	Construction Materials and Methods	12	12
DR	120	Descriptive Geometry 1	1.5	2
SURV	110	Surveying	2.5	4
MATH	100	Mathematics	5	5
ENG	100	Language and Communication	2	2
MECH	100	Mechanics	5	5
			28	30
		Semester 11		
CO	101	Quantity Surveying 1	4	4
CO	105	Principles of Concrete	2.5	4
CO	106	Concrete Construction Methods 1	4	6
CO	107	Blueprint Reading and Drafting	2.5	4
MATH	100	Mathematics	5	5
ENG	100	Language and Communication	2	2
MECH	110	Mechanics of Materials	5	5
			25	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM: CIVIL ENGINEERING CONCRETE TECHNICIAN Cont'd..		GBC COOE NO.: AR 9	
		OMRP COOE NO.:	
LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:			Credit Units per Semester:	Periods per Week:
SECOND YEAR		Semester I		
CO	203	Contracts and Specifications	4	4
CO	205	Concrete Structural Design	5	5
CO	206	Concrete Construction Methods II	3.5	5
CHEM	215	Chemistry	4	4
PSY	204	Industrial Psychology and Salesmanship	4	4
MATH	200	Mathematics	5	5
ENG	200	Language and Communication	3	3
			28.5	30
		Semester II		
CO	203	Contracts and Specifications	4	4
CO	205	Concrete Structural Design	5	5
CO	206	Concrete Construction Methods II	3.5	5
EC	214	Business Management and Labour Relations	4	4
CHEM	215	Chemistry	4	4
MATH	200	Mathematics	5	5
ENG	200	Language and Communication	3	3
			28.5	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	LOCATION:	LENGTH:	FEES:	CERTIFICATION:
DRAFTING	AR 40	CASA LOMA CAMPUS	1 Year (40 weeks)	based on $4.00 per wk.	CERTIFICATE
	OMRP CODE NO.: 615				

PREREQUISITES:

GENERAL INFORMATION:

This program is designed to produce a draftsman with a general understanding of the basic concepts and applications of Construction Technology and Electrical Theory with the main emphasis placed upon the development of Drafting Skills. Graduates of this program find employment in Architectural and Engineering Offices, Public Utilities, Electrical Manufacturing and Municipal and Provincial Offices. Students graduating from this program with above average standing will be considered for admission into the Technician Program

Program Contents:			Credit Units per Semester:	Periods per week:
DR	150	Materials & Methods	2	2
DR	151	Architectural Drawing	4	6
DR	158	Electrical Drawing	3.5	5
DR	152	Mechanical Drawing	4	6
DR	159	Mechanical Services Drawing	2.5	4
EL	136	Electrical Laboratory	2	2
MATH	130	Mathematics	4	4
ENG	130	Language and Communication	2	2
			24	31

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM.	GBC CODE NO.:	LOCATION:	LENGTH:	FEES:	CERTIFICATION.
OIL BURNER SERVICING	AR 41	CASA LOMA CAMPUS	20 WEEKS	Based on $4.00 per week	CERTIFICATE
	OMRP CODE NO.: 634				

PREREQUISITES:

Grade 10

GENERAL INFORMATION:

During the past years, hundreds of thousands of automatic heating systems have been installed in Canada. This expansion has brought with it demands for qualified personnel to install and maintain this equipment.

Program Contents:			Credit Units per Semester:	Periods per Week:
HT	130	Domestic Oil Burners	3.5	5
HT	131	Oil Burners	5.5	8
HT	132	Heating	2	3
HT	140	Gas Burners	2.5	4
DR	131	Drafting and Blueprint Reading	1.5	2
MATH	133	Mathematics	4	4
ENG	141	Language and Communication	2	2
PHYS	133	Applied Physics	2	2
			23	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	LENGTH:	FEES:	CERTIFICATION:
HEATING TECHNICIAN	AR 42	1 YEAR (40 WKS.)	Based on $4.00 per week	CERTIFICATE
	OMRP CODE NO.: 651			

LOCATION: CASA LOMA CAMPUS

PREREQUISITES: Grade 12

GENERAL INFORMATION:

In the heating field, there is a considerable demand for technical personnel who are knowledgeable in oil, gas and electric heating and cooling systems. This demand has been created, in part, by the expansion of building construction.

Program Contents:			Credit Units per Semester:	Periods per Week:
SEMESTER I				
HT	100	Domestic Oil Burners	3.5	5
HT	101	Oil Burners	5.5	8
HT	110	Heating	5.5	7
PHYS	100	Applied Physics I	2	2
MATH	100	Mathematics	4	4
ENG	100	Language and Communication	2	2
DR	100	Technical Drawing	1.5	2
			24	30
SEMESTER II				
HT	110	Heating	5.5	7
HT	111	Heating	2	2
HT	112	Heating	3	5
HT	113	Heating	4	6
PHYS	100	Applied Physics I	2	2
MATH	100	Mathematics	4	4
ENG	100	Language and Communication	2	2
DR	100	Technical Drawing	1.5	2
			24	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	LENGTH:	FEES:	CERTIFICATION:
REFRIGERATION AND AIR CONDITIONING	AR 44	2 SEMESTERS (34 weeks)	Based on $4.00 per week	CERTIFICATE
	OMRP CODE NO.: 641			

LOCATION: CASA LOMA CAMPUS

PREREQUISITES: Grade 10

GENERAL INFORMATION:

This program is designed to prepare young men to enter an apprenticeship program leading to certification (compulsory in Ontario) as a journeyman refrigeration mechanic. This is an excellent opportunity for any young man who left school before completing grade 12 to enter a challenging trade that pays well and assures full-time employment. Under an agreement with Industrial Training branch of the Department of Labour, graduates of this course are granted equivalent time off the apprenticeship period and are excused the in-school requirements of the basic course (see Apprenticeship section).

Program Contents:			Credit Units per Semester:	Periods per Week:
DR	136	Drafting	2	3
EL	133	Electrical Theory	2	2
REF	130	Refrigeration Theory	9	9
REF	131	Refregeration Practice	5	10
WELD	140	Oxy-acetylene Welding, Brazing and Cutting	0.5	1
MATH	134	Mathematics	3	3
ENG	130	Language and Communication	2	2
			23.5	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	LOCATION:	LENGTH:	FEES:	CERTIFICATION:
APPLIANCE SERVICING	AR 45	CASA LOMA CAMPUS	1 YEAR (40 weeks)	Based on $4.00 per week	CERTIFICATE
	OMRP CODE NO.: 601				

PREREQUISITES:

Grade 10

GENERAL INFORMATION:

This program is designed to give a thorough knowledge of the theory and practice required for the maintenance and repair of home appliances. The student should have a high mechanical aptitude. Students are prepared for such occupations as servicemen, factory representatives, field representatives, appliance salesmen, appliance inspectors and production supervisors. Courses in laundry equipment, refrigeration, and electrical appliances are presented in blocks of thirteen weeks.

Program Contents:			Credit Units per Semester:	Periods per Week:
AP	130	Laundry Equipment	5	7
AP	132	Refrigeration	5	7
AP	133	Electrical Appliances	5	7
DR	155	Drafting and Blueprint Reading	1	1
MATH	134	Mathematics	2	2
ENG	130	Language and Communication	2	2
PHYS	138	Applied Physics	2	2
SBM	132	Small Business Management	2	2
			24	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	LOCATION:	LENGTH:	FEES:	CERTIFICATION:
CARPENTRY	AR 70	CASA LOMA CAMPUS	Basic 8 weeks Intermediate 7 Advanced 7 "	SPONSORED	CERTIFICATE
	OMRP CODE NO.:				

PREREQUISITES:

GENERAL INFORMATION:

Length of Apprenticeship term:
Four periods of 1,800 hours

Program Contents:			Credit Units per Semester:
BASIC PROGRAM			
CAR	10	Carpentry 1	9
MATH	10	Mathematics	1.5
ENG	10	English	1
DR	10	Drafting	1.5
			13
INTERMEDIATE PROGRAM			
CAR	20	Carpentry 11	9
MATH	20	Mathematics	1.5
ENG	20	English	1
DR	20	Drafting	1.5
			13
ADVANCED PROGRAM			
CAR	30	Carpentry 111	9
MATH	30	Mathematics	1.5
ENG	30	English	1
DR	31	Drafting	1.5
			13

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:
LATHING	AR 71
	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
CASA LOMA CAMPUS	Basic - 10 wks. Advanced - 10 wks.	Sponsored	CERTIFICATE

PREREQUISITES:

GENERAL INFORMATION:

Length of Apprenticeship Term:
Three periods of 1,800 hours

Program Contents:			Credit Units per Session:
BASIC PROGRAM			
LATH	10	Lathing I	12
MATH	10/20	Mathematics	1
ENG	10/20	English	1
DR	10/20	Drafting	1
WELD	10/21	Welding	1
			16
ADVANCED PROGRAM			
LATH	30	Lathing II	12
MATH	20/30	Mathematics	1
ENG	20/30	English	1
DR	20/36	Drafting	1
WELD	21/31	Welding	1
			16

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM	GBC CODE NO.:
MASONRY (BRICK)	AR 72
	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
CASA LOMA CAMPUS	Basic 8 weeks Intermediate 7 " Advanced 7 "	SPONSORED	CERTIFICATE

PREREQUISITES:

GENERAL INFORMATION:

Length of Apprenticeship Term:
Four periods of 1,600 hours

Program Contents:			Credit Units per Semester:
BASIC PROGRAM			
MAS	10	Masonry I	8.5
MATH	10	Mathematics	1
ENG	10	English	1
DR	10	Drafting	1.5
WELD	10	Welding	1
			13
INTERMEDIATE PROGRAM			
MAS	20	Masonry II	8.5
MATH	20	Mathematics	1
ENG	20	English	1
DR	20	Drafting	1.5
WELD	20	Welding	1
			13
ADVANCED PROGRAM			
MAS	30	Masonry III	8.5
MATH	30	Mathematics	1
ENG	30	English	1
DR	30	Drafting	1.5
WELD	30	Welding	1
			13

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	OMRP CODE NO.:
PAINTING AND DECORATING	AR 73	

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
CASA LOMA CAMPUS	Basic 8 weeks Intermediate 7 Advanced 7 "	SPONSORED	CERTIFICATE

PREREQUISITES:

GENERAL INFORMATION:

Length of Apprenticeship Term:
Four periods of 1,800 hours

Program Contents:			Credit Units per Semester:
BASIC PROGRAM			
PAINT	10	Painting and Decorating 1	10
MATH	10	Mathematics	1
ENG	10	English	1
DR	10	Drafting	1
			13
INTERMEDIATE PROGRAM			
PAINT	20	Painting and Decorating 11	10
MATH	20	Mathematics	1
ENG	20	English	1
DR	20	Drafting	1
			13
ADVANCED PROGRAM			
PAINT	30	Painting and Decorating 111	10
MATH	30	Mathematics	1
ENG	30	English	1
DR	35	Drafting	1
			13

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	OMRP CODE NO.:
PLASTERING	AR 74	

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
CASA LOMA CAMPUS	Basic 8 weeks Intermediate 7 Advanced 7 "	SPONSORED	CERTIFICATE

PREREQUISITES:

GENERAL INFORMATION:

Length of Apprenticeship Term:
Four periods of 1,600 hours

Program Contents:			Credit Units per Semester:
BASIC PROGRAM			
PLAS	10	Plastering 1	10
MATH	10	Mathematics	1
ENG	10	English	1
DR	10	Drafting	1
			13
INTERMEDIATE PROGRAM			
PLAS	20	Plastering 11	10
MATH	20	Mathematics	1
ENG	20	English	1
DR	20	Drafting	1
			13
ADVANCED PROGRAM			
PLAS	30	Plastering 111	10
MATH	30	Mathematics	1
ENG	30	English	1
DR	36	Drafting	1
			13

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.: AR 75
PLUMBING	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
CASA LOMA CAMPUS	Basic 8 weeks Intermediate 7 Advanced 7	SPONSORED	CERTIFICATE

PREREQUISITES:

GENERAL INFORMATION:

Length of Apprenticeship Term:
Five periods of 1,800 hours

Program Contents:

Credit Units per Semester:

BASIC PROGRAM

PLUM	10	Plumbing I	8
MATH	10	Mathematics	1
ENG	10	English	1
PHYS	12	Applied Physics	1
DR	10	Drafting	1
WELD	10	Welding	1
			13

INTERMEDIATE PROGRAM

PLUM	20	Plumbing II	8
MATH	20	Mathematics	1
ENG	20	English	1
PHYS	22	Applied Physics	1
DR	20	Drafting	1
WELD	20	Welding	1
			13

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.: AR 75
PLUMBING Cont'd..	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:

Credit Units per Semester:

ADVANCED PROGRAM

PLUM	30	Plumbing III	8
MATH	30	Mathematics	1
ENG	30	English	1
PHYS	32	Applied Physics	1
DR	37	Drafting	1
WELD	30	Welding	1
			13

NAME OF PROGRAM:	GBC CODE NO.:	
REFRIGERATION AND AIR CONDITIONING	AR 76	
	OMRP CODE NO.:	

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
CASA LOMA CAMPUS	Basic 8 weeks Intermediate 7 Advanced 7 "	SPONSORED	CERTIFICATE

PREREQUISITES:

GENERAL INFORMATION:

Length of Apprenticeship Term:
Five periods of 1,800 hours

Program Contents:			Credit Units per Semester:
BASIC PROGRAM			
REF	10	Refrigeration and Air Conditioning 1	8
MATH	10	Mathematics	1
ENG	10	English	1
PHYS	15	Applied Physics	1
DR	18	Drafting	1
WELD	10	Welding	1
			13
INTERMEDIATE PROGRAM			
REF	20	Refrigeration and Air Conditioning 11	9
MATH	20	Mathematics	1
ENG	20	English	1
PHYS	25	Applied Physics	1
DR	28	Drafting	1
			13

NAME OF PROGRAM:	GBC CODE NO.:	
REFRIGERATION AND AIR CONDITIONING Cont'd	AR 76	
	OMRP CODE NO.:	

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:			Credit Units per Semester:
ADVANCED PROGRAM			
REF	30	Refrigeration and Air Conditioning 111	9
MATH	30	Mathematics	1
ENG	30	English	1
PHYS	35	Applied Physics	1
DR	38	Drafting	1
			13

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.: AR 77
SHEET METAL MECHANIC	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
CASA LOMA CAMPUS	Basic 8 week Intermediate 7 Advanced 7 "	SPONSORED	CERTIFICATE

PREREQUISITES: Grade 12 Credit (See information on Apprentic Program)
200 hours in each period

GENERAL INFORMATION:

Length of Apprenticeship Term:
Five periods of 1,800 hours

Program Contents:			Credit Units per Semester:
BASIC PROGRAM			
SM	10	Sheet Metal Mechanic 1	8
MATH	10	Mathematics	1
ENG	10	English	1
PHYS	13	Applied Physics	1
DR	10	Drafting	1
WELD	10	Welding	1
			13
INTERMEDIATE PROGRAM			
SM	20	Sheet Metal Mechanic 11	8
MATH	20	Mathematics	1
ENG	20	English	1
PHYS	23	Applied Physics	1
DR	20	Drafting	1
WELD	20	Welding	1
			13

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.: AR 77
SHEET METAL MECHANIC Cont'd..	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:			Credit Units per Semester:
ADVANCED PROGRAM			
SM	30	Sheet Metal Mechanics 111	8
MATH	30	Mathematics	1
ENG	30	English	1
PHYS	33	Applied Physics	1
DR	39	Drafting	1
WELD	11	Welding	1
			13

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	LOCATION:	LENGTH:	FEES:	CERTIFICATION:
STEAMFITTING	AR 78	CASA LOMA CAMPUS	Basic - 8 wks. Intermed.-7 wks. Advanced - 7 wks.	Sponsored	CERTIFICATE
	OMRP CODE NO.:				

PREREQUISITES:

GENERAL INFORMATION:

Length of Apprenticeship Term:
Five periods of 1,800 hours

Program Contents:

			Credit Units per Session:
BASIC PROGRAM			
STEA	10	Steamfitting I	8
MATH	10	Mathematics	1
ENG	10	English	1
PHYS	12	Applied Physics	1
DR	10	Drafting	1
WELD	10/11	Welding	1
			13
INTERMEDIATE PROGRAM			
STEA	20	Steamfitting II	8
MATH	20	Mathematics	1
ENG	20	English	1
PHYS	22	Applied Physics	1
DR	20	Drafting	1
WELD	20/21	Welding	1
			13
ADVANCED PROGRAM			
STEA	30	Steamfitting III	8
MATH	30	Mathematics	1
ENG	30	English	1
PHYS	32	Applied Physics	1
DR	33	Drafting	1
WELD	30/31	Welding	1
			13

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	LOCATION:	LENGTH:	FEES:	CERTIFICATION:
STRUCTURAL STEEL DRAFTING	AR 79	CASA LOMA CAMPUS	Basic 8 weeks Intermediate 7 Advanced 7 "	SPONSORED	CERTIFICATE
	OMRP CODE NO.:				

PREREQUISITES:

GENERAL INFORMATION:

Length of Apprenticeship Term:
Three periods of 2,000 hours

Program Contents:

			Credit Units per Semester:
BASIC PROGRAM			
STR	10	Structural Steel Drafting 1	8
MATH	12	Mathematics	1.5
ENG	10	English	1
DR	11	Descriptive Geometry	2.5
			13
INTERMEDIATE PROGRAM			
STR	20	Structural Steel Drafting 11	8
MATH	22	Mathematics	1.5
ENG	20	English	1
DR	21	Descriptive Geometry	2.5
			13
ADVANCED PROGRAM			
STR	30	Structural Steel Drafting 111	8
MATH	32	Mathematics	1.5
ENG	30	English	1
DR	42	Descriptive Geometry	2.5
			13

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:
CEMENT MASON	AR 80
	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
CASA LOMA CAMPUS	Basic - 8 wks. Advanced - 8 wks.	Sponsored	CERTIFICATE

PREREQUISITES:

GENERAL INFORMATION:

Length of Apprenticeship Term:
Three periods of 2,000 hours

Program Contents			Credit Units per Session
BASIC PROGRAM			
CEM/MAS	10	Cement Mason	10
MATH	10/20	Mathematics	1
ENG	10/20	English	1
DR	10/20	Drafting	1
			13
ADVANCED PROGRAM			
CEM/MAS	30	Cement Mason	10
MATH	20/30	Mathematics	1
ENG	20/30	English	1
DR	20/30	Drafting	1
			13

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:
GLAZIER AND METAL MECHANIC	AR 81
	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
CASA LOMA CAMPUS	Basic 7 week Intermediate 7 Advanced 8 "		CERTIFICATE

PREREQUISITES:

GENERAL INFORMATION:

Length of Apprenticeship Term:
Four periods of 2,000 hours

Program Contents:			Credit Units per Semester:
BASIC PROGRAM			
GLAZ	10	Glazier and Metal Mechanic	8
MATH	10	Mathematics	1.5
ENG	10	English	1
DR	10	Drafting	1.5
PHYS	11	Applied Physics	1
			13
INTERMEDIATE PROGRAM			
GLAZ	20	Glazier and Metal Mechanic	8
MATH	20	Mathematics	1.5
ENG	20	English	1
DR	20	Drafting	1.5
PHYS	21	Applied Physics	1
			13
ADVANCED PROGRAM			
GLAZ	30	Glazier and Metal Mechanic	8
MATH	30	Mathematics	1.5
ENG	30	English	1
DR	30	Drafting	1.5
PHYS	31	Applied Physics	1
			13

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM: DRY WALL TAPERS

GBC CODE NO.: AR 82

OMRP CODE NO.: 668

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
CASA LOMA CAMPUS	8 WEEKS	Based on $4.00 per week	CERTIFICATE

PREREQUISITES: Grade 8 or equivalent

GENERAL INFORMATION:

The emphasis in this program is directed toward the basic hand skill, mechanical procedures and trade techniques necessary for the development of competent mechanics within the taping field. The program is structured to prepare graduates to become employable within the Drywall industry and to meet the ever-growing demands of this industry for skilled Drywall Tapers.

Program Contents:			Credit Units per Semester:	Periods per Week:
TA	130	Taping/Drywall	8.5	23
MATH	10	Mathematics	1.5	3
ENG	10	English	1	2
DR	131	Drafting and Blueprint Reading	1	2
			12	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM: BLUEPRINT READING

GBC CODE NO.: AR 83

OMRP CODE NO.: 656

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
CASA LOMA CAMPUS	8 WEEKS	Based on $4.00 per week	CERTIFICATE

PREREQUISITES: Grade 10

GENERAL INFORMATION:

This program is designed to assist the individual to understand the blueprints related to the various fields. Advancement in many companies depends on the ability to read blueprints. This program should enable a person to improve his position in the area of his specialization.

Program Contents:			Credit Units per Semester:	Periods per Week:
DR	138	Blueprint Reading	10.5	25
ENG	16	English	1	2
MATH	16	Mathematics	1.5	3
			13	30

NAME OF PROGRAM: SPRINKLER AND FIRE PROTECTION INSTALLER

GBC CODE NO.: AR 85

OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
CASA LOMA CAMPUS	Basic - 7 wks. Intermed. - 7 wks. Advanced - 8 wks.	Sponsored	CERTIFICATE

PREREQUISITES:

GENERAL INFORMATION:

Length of Apprenticeship Term:

Program Content:

			Credit Units per Session:
BASIC PROGRAM			
SPR	10	Sprinkler I	8
MATH	10	Mathematics	1
ENG	10	English	1
PHYS	12	Applied Physics	1
DR	10	Drafting	1
WELD	10	Welding	1
			13
INTERMEDIATE PROGRAM			
SPR	20	Sprinkler II	8
MATH	20	Mathematics	1
ENG	20	English	1
PHYS	22	Applied Physics	1
DR	20	Drafting	1
WELD	20/21	Welding	1
			13
ADVANCED PROGRAM			
SPR	30	Sprinkler III	8
MATH	30	Mathematics	1
ENG	30	English	1
PHYS	32	Applied Physics	1
DR	30	Drafting	1
WELD	30	Welding	1
			13

NAME OF PROGRAM: (A) BUSINESS ADMINISTRATION - 2 Year Programs

GBC CODE NO.: B-1, B-2, B-3, B-4

OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
TERAULAY CAMPUS	2 YEARS	$160.00 per year	DIPLOMA

PREREQUISITES:

Grade 12

GENERAL INFORMATION:

These programs are designed for the student who seeks a broad, integrated education in the field of business as well as the opportunity to specialize in selected subject areas. They are of two years duration with starting dates in September and February.

In the second, third, and fourth semesters considerable scope will be provided in the selection of optional subjects to broaden the student's knowledge in business or other subject areas.

Program Contents:

			Credit Units per Semester:	Periods per Week:
PROGRAMS of STUDY - Common First Semester				
FIRST YEAR		Semester I		
ENG	100	Language and Communications	5	5
MATH	114	Business Mathematics	5	5
BUS	100	Business Organization	5	5
ACC	100	Introduction to Accounting	4	5
EDP	100	Introduction to Data Processing	4	5
MARK	100	Introduction to Marketing	4	5
			27	30

NAME OF PROGRAM.	GBC CODE NO.: B 1
ACCOUNTING	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
TERAULAY CAMPUS	2 YEARS	$160.00 per year	DIPLOMA

PREREQUISITES:

Grade 12

GENERAL INFORMATION:

The courses included in this program provide a valuable preparation for students interested in Accounting occupations in business and industry. They also offer preparatory training for students interested in working towards membership in one of the Professional Accounting societies. Subject credits are granted by the Societies in specified courses where content and standards are considered equivalent.

Program Contents:			Credit Units per Semester:	Periods per Week:
FIRST YEAR		Semester 1		
		See Business Administration		
		Semester 11		
ENG	100	Language and Communication	5	5
MATH	114	Business Mathematics	5	5
BUS	101	Human Relations	5	5
ACC	101	Accounting	8	10
		Option	4	5
			27	30
SECOND YEAR		Semester 1		
ENG	200	English Elective	5	5
LAW	200	Business Law	5	5
ACC	200	General Accounting 1	4	5
ACC	201	Accounting Systems	4	5
ACC	202	Cost Accounting 1	4	5
		Option	4	5
			26	30

NAME OF PROGRAM.	GBC CODE NO.: BI
ACCOUNTING Cont'd..	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:			Credit Units per Semester:	Periods per Week:
SECOND YEAR		Semester 11		
BUS	215	Media Applications	5	5
ACC	203	General Accounting 11	4	5
ACC	204	Cost Accounting 11	4	5
ACC	205	Auditing and Taxation	4	5
		Option	8	10
			25	30

NAME OF PROGRAM: ELECTRONIC DATA PROCESSING

GBC CODE NO.: B2

OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
TERAULAY CAMPUS	2 YEARS	$160.00 per year	DIPLOMA

PREREQUISITES: Grade 12

GENERAL INFORMATION:

The graduate of this program will be thoroughly trained in both the theoretical and practical applications of computers. The course will be of particular interest to the student who is interested in a career as a Computer Programmer, initially and wish to further their career as a Systems Analyst.

Applicants may be required to take an aptitude test before being admitted to the program.

Program Contents:

			Credit Units per Semester:	Periods per Week:
FIRST YEAR		Semester I		
		See Business Administration		
		Semester II		
ENG	100	Language and Communication	5	5
MATH	114	Business Mathematics	5	5
BUS	101	Human Relations	5	5
EDP	101	Introduction to Computer Programming (Cobol)	4	5
EDP	102	Introduction to Computer Programming (Fortran)	4	5
		Option	4	5
			27	30

NAME OF PROGRAM: ELECTRONIC DATA PROCESSING Cont'd

GBC CODE NO.: B 2

OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:

			Credit Units per Semester:	Periods per Week:
SECOND YEAR		Semester I		
ENG	200	English Elective	5	5
MATH	215	Statistics	5	5
EDP	200	Programming for Business Applications	4	5
EDP	201	Data Processing Systems	4	5
ACC	101	Accounting	4	5
		Option	4	5
			26	30
		Semester II		
BUS	215	Media Applications	5	5
EDP	202	Introduction to System IBM 360	4	5
EDP	203	Introduction to Systems Analysis	4	5
EDP	204	Advanced Programming	4	5
		Option	8	10
			25	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	LOCATION:	LENGTH:	FEES:	CERTIFICATION:
MARKETING	B 3	TERAULAY CAMPUS	2 YEARS	$160.00 per year	DIPLOMA
	OMRP CODE NO.:				

PREREQUISITES: Grade 12

GENERAL INFORMATION:

The graduate of the two-year program is prepared for employment in any of the Marketing Functions such as Advertising, Sales Planning, Market Research, Wholesaling and Retailing.

The program provides through lecture, field work and case study a broad comprehension of the marketing process so the student may enter the above fields in any organization or enter his own business.

Program Contents:			Credit Units per Semester	Periods per Week:
FIRST YEAR - Semester I				
		See Business Administration		
		Semester II		
ENG	100	Language and Communications	5	5
MATH	114	Business Mathematics	5	5
BUS	101	Human Relations	5	5
MARK	102	Distribution Channels	4	5
MARK	101	Marketing Research and Information Systems	4	5
		Option	4	5
			27	30
SECOND YEAR - Semester I				
ENG	200	English Elective	5	5
MATH	215	Statistics	5	5
MARK	200	Product Planning and Pricing Policy	4	5
MARK	201	The Sales Aspect of Marketing	4	5
MARK	202	Advertising and Sales Promotion	4	5
		Option	4	5
			26	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	LOCATION:	LENGTH:	FEES:	CERTIFICATION:
MARKETING Cont'd	B 3				
	OMRP CODE NO.:				

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:			Credit Units per Semester:	Periods per Week:
SECOND YEAR - Semester II				
BUS	215	Media Applications	5	5
MARK	205	Marketing Management I	4	5
MARK	206	Marketing Management II	4	5
MARK	207	Marketing Management III	4	5
		Option	8	10
			25	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM.	GBC CODE NO.:	OMRP CODE NO.:
BUSINESS ADMINISTRATION-GENERAL	B4	

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
TERAULAY CAMPUS	2 YEARS	$160.00 per year	DIPLOMA

PREREQUISITES:

Grade 12

GENERAL INFORMATION:

Objective of this program is to provide students with a highly flexible business program to enable students to select option combinations that will prepare them for positions in Office Supervision, Personnel, Purchasing, Production Control, or provide for combinations of BI, B2, B3 which are particular to their interests, e.g. Marketing and Data Processing for Market Research.

Program Contents:			Credit Units per Semester:	Periods per Week:
FIRST YEAR		Semester 1		
		See Business Administration		
		Semester 11		
ENG	100	Language and Communications	5	5
MATH	114	Business Mathematics	5	5
BUS	101	Human Relations	5	5
		Three Options or Majors of BI or B2 or B3 at 101 or 102 level	12	15
			27	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM.	GBC CODE NO.:	OMRP CODE NO.:
BUSINESS ADMINISTRATION-GENERAL Cont'd..	B4	

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:			Credit Units per Semester:	Periods per Week:
SECOND YEAR		Semester 1		
ENG	200	English Elective	5	5
MATH	215	Statistics	5	5
PSY	160	Psychology	4	5
		Three Options or Majors of BI or B2 or B3 at level 101 102 200 201	12	15
			26	30
		Semester 11		
BUS	215	Media Applications	5	5
		Five Options or Majors of B1 or B2 or B3 levels at 101 102 200 201 202 203 204 205	20	25
			25	30

13

NAME OF PROGRAM:	GBC CODE NO.:
SECRETARIAL SCIENCE (GENERAL)	B 5
	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
TERAULAY CAMPUS	2 YEARS	$160.00 per year	DIPLOMA

PREREQUISITES:

Grade 12 or equivalent - no previous knowledge of shorthand or typewriting is required. Holders of a Secondary School Graduation Diploma who can provide a statement to indicate that they can type at the rate of 45 wpm and can transcribe Pitman or Machine shorthand at 80 wpm may enter the third semester of this program. Direct entry applicants must be prepared to take a test to substantiate the necessary skill speeds, prior to registration.

GENERAL INFORMATION:

The graduate of the two-year general secretarial program will have developed the skills in shorthand, typewriting and as well covered the related secretarial duty areas in sufficient depth to meet the decision-making ability of a competent secretary in business.

Credit will be given to students with typing and shorthand skills thus enabling them to shorten or enrich (through options) their programs.

Program Contents:

			Credit Units per Semester:	Periods per Week:
FIRST YEAR		Semester I		
ENG	100	Language and Communication	5	5
MATH	113	Business Mathematics	3	3
OP	100	Typewriting	4	7
SH	100	Shorthand (Pitman or Machine)	7	10
		Option	5	5
			24	30

NAME OF PROGRAM:	GBC CODE NO.:
SECRETARIAL SCIENCE (GENERAL) cont'd	B 5
	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:

			Credit Units per Semester:	Periods per Week:
FIRST YEAR		Semester II		
ENG	104	Business Communications	5	5
OP	101	Typewriting and Office Practice	6	10
SH	101	Shorthand (Pitman or Machine)	7	10
		Option	5	5
			23	30
SECOND YEAR		Semester III		
ENG	201	English & The Business World	5	5
BUS	100	Business Organization	3	3
ACC	105	Secretarial Accounting	2	2
SH	200	Shorthand	7	10
OP	200	Secretarial Procedures	6	10
			23	30
SECOND YEAR		Semester IV		
ENG	204	Business Communications	5	5
LAW	105	Business Law	3	3
SH	201	Applied Stenography	7	10
OP	201	Secretarial Practice	6	10
DIC	105	Dictaphone	2	2
			23	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	LOCATION:	LENGTH:	FEES:	CERTIFICATION:
SECRETARIAL SCIENCE (LEGAL)	B 6	TERAULAY CAMPUS	2 YEAR	$160.00 per year	DIPLOMA
	OMRP CODE NO.:				

PREREQUISITES:

Grade 12 or equivalent - no previous knowledge of shorthand or typewriting is required. Holders of a Secondary School Graduation Diploma who can provide a statement to indicate that they can type at the rate of 45 wpm and can transcribe Pitman or Machine shorthand at 80 wpm may enter the third semester of this program. Direct entry applicants must be prepared to take a test to substantiate the necessary skill speeds, prior to registration.

GENERAL INFORMATION:

This program provides the skills and knowledge required for successful entry into legal secretarial positions.

Program Contents:

			Credit Units per Semester:	Periods per Week:
FIRST YEAR		Semester I		
ENG	100	Language and Communication	5	5
MATH	113	Business Mathematics	3	3
OP	100	Typewriting	4	7
SH	100	Shorthand (Pitman or Machine)	7	10
		Option	5	5
			24	30
FIRST YEAR		Semester II		
ENG	104	Business Communications	5	5
OP	101	Typewriting and Office Practice	6	10
SH	101	Shorthand (Pitman or Machine)	7	10
		Option	5	5
			23	30

NAME OF PROGRAM.	GBC CODE NO.:	LOCATION:	LENGTH:	FEES:	CERTIFICATION:
SECRETARIAL SCIENCE (LEGAL) cont'd	B 6				
	OMRP CODE NO.:				

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:

			Credit Units per Semester:	Periods per Week:
SECOND YEAR		Semester III		
ENG	201	English & The Business World	5	5
LAW	202	Business Law	5	5
OP	202	Legal Office Practice	3	5
SH	202	Legal Shorthand	7	10
		Option	5	5
			25	30
SECOND YEAR		Semester IV		
ENG	204	Business Communications	5	5
LAW	203	Business Law	5	5
OP	203	Legal Office Practice	3	5
SH	203	Legal Shorthand	5	7
ACC	106	Legal Accounting	3	3
		Option	5	5
			26	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	OMRP CODE NO.:
SECRETARIAL SCIENCE (MEDICAL)	B 7	

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
TERAULAY CAMPUS	2 YEARS	$160.00 per year	DIPLOMA

PREREQUISITES:

Grade 12 or equivalent - no previous knowledge of shorthand or typewriting is required. Holders of a Secondary School Graduation Diploma who can provide a statement to indicate that they can type at the rate of 45 wpm and can transcribe Pitman or Machine shorthand at 80 wpm may enter the third semester of the Medical Shorthand program. Entry is gained to the Medical Dicta Program only in Semester III by holding a Grade 12 certificate and the ability to type at a minimum of 45 wpm. Direct entry applicants must be prepared to take a test to substantiate the necessary skill, prior to registration.

GENERAL INFORMATION:

This program is designed to train medical stenographers and medical dicta-typists for positions in their respective fields.

Program Contents:

			Credit Units per Semester:	Periods per Week:
FIRST YEAR		Semester I (Medical Shorthand Program)		
ENG	100	Language and Communication	5	5
MATH	113	Business Mathematics	3	3
OP	100	Typewriting	4	7
SH	100	Shorthand (Pitman or Machine)	7	10
		Option	5	5
			24	30
FIRST YEAR		Semester II		
ENG	104	Business Communications	5	5
OP	101	Typewriting and Office Practice	6	10
SH	101	Shorthand (Pitman or Machine)	7	10
		Option	5	5
			23	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	OMRP CODE NO.:
SECRETARIAL SCIENCE (MEDICAL) cont'd	B 7	

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:

			Credit Units per Semester:	Periods per Week:
SECOND YEAR		Semester III (Medical Shorthand Program)		
ENG	201	English & the Business World	5	5
OP	204	Medical Office Practice	3	5
SH	204	Medical Shorthand	7	10
ANAT	100	Anatomy and Physiology	5	5
		Option	5	5
			25	30
SECOND YEAR		Semester IV		
ENG	204	Business Communications	5	5
OP	205	Medical Office Practice	3	5
SH	205	Medical Shorthand	5	7
ANAT	100	Anatomy and Physiology	5	5
ACC	107	Medical Accounting	3	3
		Option	5	5
			26	30

OR

SECOND YEAR		Semester III (Medical Dictaphone Program)		
ENG	201	English & the Business World	5	5
OP	204	Medical Office Practice	3	5
DIC	200	Medical Dictaphone	4	8
ANAT	100	Anatomy and Physiology	5	5
ANAT	101	Medical Terminology	2	2
		Option	5	5
			24	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM: SECRETARIAL SCIENCE (MEDICAL) cont'd

GBC CODE NO.: B 7

OMRP CODE NO.:

LOCATION:

LENGTH:

FEES:

CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:

			Credit Units per Semester:	Periods per Week:
SECOND YEAR		Semester IV (Medical Dictaphone Program)		
ENG	204	Business Communications	5	5
OP	205	Medical Office Practice	3	5
DIC	201	Medical Dictaphone	3	5
ANAT	100	Anatomy and Physiology	5	5
ANAT	101	Medical Terminology	2	2
ACC	107	Medical Accounting	3	3
		Option	5	5
			26	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM: SALES

GBC CODE NO.: B 42

OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
TERAULAY CAMPUS	1 YEAR	$160.00 per year	CERTIFICATE

PREREQUISITES: Grade 12

GENERAL INFORMATION:

This program is for students who wish a sales career. The graduate will be prepared for employment in all areas of commerce directly related to sales. Special studies include a course in Salesmanship designed to develop the student's sales skills with strong emphasis on field conditions. Complementary academic subjects are included to provide an understanding of other related business areas which will increase his effectiveness in sales and prepare the student for further advancement. The program can be timetabled as a regular day program consisting of two consecutive semesters or arranged so that the student attends one semester at the College, works for a semester and returns to the College for a final semester.

Program Contents:

			Credit Units per Semester:	Periods per Week:
SEMESTER I				
ENG	100	Language and Communications	5	5
BUS	100	Business Organization	5	5
MATH	114	Business Mathematics	5	5
BUS	101	Human Relations	5	5
MARK	100	Introduction to Marketing	4	5
ACC	100	Introduction to Accounting	4	5
			28	30
SEMESTER II				
ENG	100	Language and Communications	5	5
MATH	114	Business Mathematics	5	5
BUS	200	Business Law	5	5
MARK	202	Advertising and Sales Promotion	4	5
MARK	201	The Sales Aspect of Marketing	4	5
		Option	4	5
			27	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	LOCATION:	LENGTH:	FEES:	CERTIFICATION:
COMMERCIAL STENOGRAPHIC	B 45	TERAULAY CAMPUS KEELE CAMPUS	40 WEEKS	$160.00	CERTIFICATE
	OMRP CODE NO.: 419				

PREREQUISITES:

Grade 10 or equivalent

GENERAL INFORMATION:

This program offers students an opportunity to acquire skills in Shorthand, Typewriting and Office Practice, and a knowledge of business English which will equip them to fill stenographic and secretarial positions in the world of business, Government and Finance. This objective is obtained by the students obtaining 50-55 w.p.m. typing, 80-120 w.p.m. shorthand and Grand XII equivalent in English and Office Practice.

Program Contents:			Credit Units per Semester:	Periods per Week:
SEMESTER I				
TYP	149	Typewriting	6	10
ENG	149	Business English	5	5
SH	149	Shorthand	8	10
OP	150	Office Practice	3	5
			22	30
SEMESTER II				
OP	150	Office Practice	6	5
SH	149	Shorthand	16	20
ENG	149	Business English	5	5
			27	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM.	GBC CODE NO.:	LOCATION:	LENGTH:	FEES:	CERTIFICATION:
BUSINESS MACHINES AND BOOKKEEPING	B 51	KEELE CAMPUS	40 WEEKS	$160.00	CERTIFICATE
	OMRP CODE NO.: 413				

PREREQUISITES:

Grade 10 or equivalent

GENERAL INFORMATION:

This course is designed to enable graduates to adequately fill the position of a general office worker in industry with a minimum of on-the-job training. The main accent is placed on bookkeeping. Practical work is given on a wide range of the newest and most modern equipment now available for office use, such as electronic bookkeeping machines, calculators, keypunch machines as well as data processing equipment. However, office methods and procedures are also thoroughly taught.

Program Contents:			Credit Units per Semester:	Periods per Week:
SEMESTER I				
BOK	148	Bookkeeping and Business Machines	12	18
MATH	148	Business Mathematics	4	4
LAW	148	Law and Economics	3	4
ENG	149	Business English	4	4
			23	30
SEMESTER II Part I				
TYP	148	Typewriting (Level 1)	9	13
BM	148	Business Machines	8	13
ENG	149	Business English	4	4
			21	30
SEMESTER II Part II				
TYP	148	Typewriting (Level 2)	9	13
EDP	148	Data Processing	9	13
OP	148	Office Practice and Duplicating	3	4
			21	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	B 52
COMMERCIAL CLERICAL	OMRP CODE NO.:	417

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
KEELE CAMPUS TERAULAY CAMPUS	40 WEEKS 2-20 week Semester	$160.00	CERTIFICATE

PREREQUISITES:

Grade 8 or equivalent

GENERAL INFORMATION:

This course exists to train the student in the performance of a variety of general office functions. The graduate is trained to assume a position as a clerk typist or a general clerical worker. The inclusion of Bookkeeping and Business Machines will also develop the necessary skills for work in a variety of Bookkeeping jobs.

Program Contents:			Credit Units per Semester:	Periods per Week:
SEMESTER I				
TYP	152	Typewriting	6	10
MATH	152	Business Mathematics	5	5
ENG	146	Language and Communication	5	5
BOK	152	Bookkeeping	4	5
BM	152	Business Machines	3	5
			23	30
SEMESTER II				
TYP	152	Typewriting	3	5
OP	152	Office Practice	3	5
MATH	152	Business Mathematics	5	5
ENG	146	Language and Communication	4	5
BOK	152	Bookkeeping	4	5
BM	152	Business Machines	5	5
			24	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	B 53
CLERK TYPIST (SPECIAL)	OMRP CODE NO.:	415

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
KEELE CAMPUS TERAULAY CAMPUS	24 WEEKS	$96.00	CERTIFICATE

PREREQUISITES:

Grade 10 or equivalent

GENERAL INFORMATION:

The purpose of this course is to train the student, by a relatively short and intensive course to a skill level which will enable him to seek employment as a clerk typist. Preference will be given to women over 30 years of age.

Program Contents:			Periods per Week:
TYP	152	Typewriting	10
OP	114	Office Practice	5
ENG	146	Language and Communication	10
MATH	156	Business Mathematics	5
			30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	
COMMERCIAL ACCOUNTANCY	B 54	
	OMRP CODE NO.:	416

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
KEELE CAMPUS TERAULAY CAMPUS	40 WEEKS	$160.00	CERTIFICATE

PREREQUISITES: Grade 10 or equivalent

GENERAL INFORMATION:

This program will give the student a thorough grounding in the principles and practices of modern day Accounting. The graduate will be equipped to assume employment in any of a number of Accounting-oriented positions. This course can also lead to opportunities for further training in the field through the various Accounting Associations.

Program Contents:

			Periods per Week:
MATH	148	Business Mathematics	10
ENG	148	Language and Communication	5
ACC	154	Accounting	15
			30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	
INVENTORY CONTROL - WAREHOUSEMAN	B 55	
	OMRP CODE NO.:	426

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
TERAULAY CAMPUS	24 WEEKS	$72.00	CERTIFICATE

PREREQUISITES: Grade 10

GENERAL INFORMATION:

This course prepares students for entry into the following fields of employment, as related to stores and warehousing in industry.

Setting up inventory control kardex systems, ordering of raw materials and finished assemblies, balancing inventories, shipping and receiving and warehousing.

Program Contents:

			Periods per Week:
INV	155	Inventory Control and Warehousing	15
TYP	155	Typewriting	5
BM	152	Business Machines	5
BOK	152	Bookkeeping	5
			30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM.	GBC CODE NO.:	
COMMERCIAL REFRESHER	OMRP CODE NO.:	B 56 / 442

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
TERAULAY CAMPUS KEELE CAMPUS	16 WEEKS	$64.00	CERTIFICATE

PREREQUISITES:

Previous commercial training, on-the-job experience, and previous typing skill.

GENERAL INFORMATION:

This course is designed for the student with a good background in commercial training and on-the-job experience, but who has not used this training for some years. Its purpose is to redevelop skills and knowledge to an employable level.

Program Contents:

			Periods per Week:
MATH	156	Business Mathematics	5
ENG	156	Language and Communication	5
TYP	156	Refresher Typewriting	15
OP	114	Office Practice	5
			30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM.	GBC CODE NO.:	
TYPIST - GENERAL OFFICE	OMRP CODE NO.:	B 57 / 450

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
TERAULAY CAMPUS	20 WEEKS	$80.00	CERTIFICATE

PREREQUISITES:

Previous clerical experience and a fluency in English, both oral and written.

GENERAL INFORMATION:

The aim of this concentrated course is to train selected students for employment as clerk typists by further developing their clerical skills, and developing a typing skill of 45 to 50 w.p.m.

Program Contents:

			Credit Units per Semester:	Periods per Week:
SESSION I				
TYP	157	Typewriting and Office Practice	8	15
MATH	156	Business Mathematics	5	5
ENG	156	Language and Communications	5	5
BM	157	Business Machines	3	5
			21	30
SESSION II				
TYP	157	Typewriting and Office Practice	12	20
MATH	156	Business Mathematics	5	5
ENG	156	Language and Communications	5	5
			22	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	LOCATION:	LENGTH:	FEES:	CERTIFICATION:
COMMERCIAL DICTA-TYPIST	B 58	TERAULAY CAMPUS	40 WEEKS	$160.00	CERTIFICATE
	OMRP CODE NO.: 418				

PREREQUISITES: Grade X or equivalent

GENERAL INFORMATION:

This program offers students an opportunity to acquire skills in Dicta-Machines, Typewriting, and Office Practice, and a knowledge of business English which will equip them to fill Dicta-Typists positions in the world of business, Government, Medical, and Legal. This objective is attained by the students achieving 60 wpm typing, versatility and knowledge of Dictaphones and Grade XII equivalent in English and Office Practice.

Program Contents:			Periods per Week:
SESSION I			
TYP	149	Typewriting	20
ENG	149	Language & Communications	10
			30
SESSION II & III			
TYP	149	Typewriting	20
ENG	149	Language & Communications	5
OP	114	Office Practice	5
			30
SESSION IV			
TYP	149	Typewriting	10
ENG	149	Language & Communications	5
OP	114	Office Practice	5
DIC	105	Dictaphone	10
			30
SESSION V			
TYP	149	Typewriting	10
OP	114	Office Practice	5
DIC	105	Dictaphone	15
			30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	LOCATION:	LENGTH:	FEES:	CERTIFICATION:
ELECTRONIC DATA PROCESSING I (Keypunch and Verifier)	B 70	KEELE CAMPUS TERAULAY CAMPUS	8 WEEKS	$16.00	CERTIFICATE
	OMRP CODE NO.: 618				

PREREQUISITES: Grade 10 or equivalent, aptitude test, typing speed of 40 w.p.m.

GENERAL INFORMATION:

The purpose of this program is to train keypunch operators to a level of proficiency that they can graduate directly into positions in the field. Objective is better than 10,000 strokes per hour.

Program Contents:			Credit Units per Semester:	Periods per Week:
EDP	170	Keypunch		30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM: BUSINESS MACHINES

GBC CODE NO.: B 73

OMRP CODE NO.: 412

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
TERAULAY CAMPUS	12 WEEKS	$48.00	CERTIFICATE

PREREQUISITES: Grade 10 or equivalent

GENERAL INFORMATION:

To introduce the student to today's office machinery and to develop the qualities which are necessary to become a competent operator of the business equipment normally found in today's organizations. Manipulative skill is developed as well as business machine use so that a student may quickly adapt to any new equipment he/she may encounter.

Bookkeeping machines training will be offered to students who have a knowledge of grade X level bookkeeping and a typing speed of 35 w.p.m.

Program Contents:			Credit Units per Semester:	Periods per Week:
BM	173	Business Machines	20	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM: TYPING REFRESHER

GBC CODE NO.: B 74

OMRP CODE NO.: 443

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
KEELE CAMPUS	12 WEEKS	$48.00	CERTIFICATE

PREREQUISITES:

Previous work experience in typing. Present typing skill, 15-20 w.p.m. minimum.

GENERAL INFORMATION:

To enable former office workers or previously trained typists to regain earlier skills to prepare for commercial employment.

Program Contents:			Periods per Week:
TYP	158	Typing	15
ENG	156	Language and Communications	6
OP	158	Office Practice	3
BM	158	Business Machines	6
			30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	LOCATION:	LENGTH:	FEES:	CERTIFICATION:
STENOGRAPHIC REFRESHER	B 75	TERAULAY CAMPUS	12 weeks max.	$4.00 per week	
	OMRP CODE NO.: 4111				

PREREQUISITES: Grade XII English
Prior Shorthand & Typing skills in stenographic field

GENERAL INFORMATION:

To enable former steographic typist to regain earlier skills to prepare for commercial employment.

PROGRAM CONTENTS:

TYPING and SHORTHAND are the only two subjects involved. The division of the six hours per day between the two subjects will be according to the individual student's ability. Graduation is on obtaining terminal and performance objectives in both subjects within a 12 week maximum period.

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	LOCATION:	LENGTH:	FEES:	CERTIFICATION:
DESIGN TECHNICIAN - ELECTRICAL	EL 1	TERAULAY CAMPUS	2 YEARS	$160.00 per year	DIPLOMA
	OMRP CODE NO.:				

PREREQUISITES:

Grade 12

GENERAL INFORMATION:

This program provides the drafting skills combined with an adequate theoretical base, practical knowledge, and workshop skills to provide a background for the Electrical Design Technician. Electrical Design Technicians are employed by Local, Provincial and Federal Government Departments; Municipal and Provincial Hydro-Electric Systems; Manufacturing Companies, Consulting Engineering Firms, and Construction Companies.

N.B. See EL 2/Electrical Technician for an Electrical/Machines skills program.

Program Contents:

			Credit Units per Semester:	Periods per Week:
*SEMESTER I		(15 week module)		
EL	106	Electrical Fundamentals I	5	6
EL	107	Electrical Fundamentals II	3.5	4
ELTC	107	Electronic Fundamentals	1.5	2.5
ELTC	109	Introduction to Electronic and Acoustic Systems	1	2.5
INST	108	Instrumentation Fundamentals	4.5	6
MATH	101	Circuit Analysis	6	6
DR	100	Drafting Fundamentals	2	3
ENG	100	Language & Communications	2	2
			25.5	32
SEMESTER II		(15 week module)		
EL	108	Electrical Machines	6	7
EL	109	Electrical Circuits	7	9
MATH	100	Mathematics	4	4
ENG	100	Language and Communications	2	2
MECH	100	Mechanics	4	4
DR	100	Drafting Fundamentals	2	4
			25	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:
DESIGN TECHNICIAN - ELECTRICAL (CONT'D)	EL 1
	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:

			Credit Units per Semester:	Periods per Week:
SEMESTER IIA (6 week module)				
EL	111	Electrical Control Systems	5	16
MATH	100	Mathematics	2	4
ENG	100	Language and Communications	2	2
MECH	100	Mechanics	2	4
DR	122	Electrical Drafting Fundamentals	2	4
			13	30
SEMESTER III (15 week module)				
EL	208	Electrical Distribution Systems	3	4
EL	209	Industrial Electronic Fundamentals	6	8
EL	211	Protection of Electrical Equipment	4	4
MATH	200	Mathematics	4	4
ENG	200	Language and Communications	2	2
**EC	100	Economics	4	4
DR	203	Electrical Drafting	2	4
			25	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:
DESIGN TECHNICIAN - ELECTRICAL (CONT'D)	EL 1
	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:

			Credit Units per Semester:	Periods per Week:
SEMESTER IV (15 week module)				
EL	227	Electrical Design Applications	10	14
DR	112	Architectural and Mechanical Blue Print Reading and Drafting	2	4
EL	138	Materials and Regulations	1	2
EL	202	Electrical Laboratory and Installation	2	4
ENG	200	Language and Communications	2	2
MATH	200	Mathematics	2	2
PHYS	100	Applied Physics	4	4
			23	32
SEMESTER IVA (6 week module)				
EL	227	Electrical Design Applications	5	14
EL	214	Electrical Specification Writing	2	2
EL	120	Materials and Methods	3	6
EL	138	Materials and Regulations	1	2
DR	112	Architectural and Mechanical Blue Print Reading and Drafting	1	4
EL	202	Electrical Laboratory and Installation	1	2
			13	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.: EL 1
DESIGN TECHNICIAN - ELECTRICAL (CONT'D)	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:

*SEMESTER I - Common to:

Design Technician Electrical
Electrical Technician
Electronic Technician
Sound Analysis and Acoustic Technician

**Liberal Studies Elective - Examples:

EC	100	Economics
EC	102	Engineering Law and Administration
PSY	204	Industrial Psychology and Salesmanship
BUS	100	Business Organization
BUS	201	Business Organization and Financing

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.: EL 2
ELECTRICAL TECHNICIAN	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
KENSINGTON CAMPUS	2 YEARS	$160.00 per year	DIPLOMA

PREREQUISITES:

Grade 12

GENERAL INFORMATION:

This program is designed to provide the theory, skills and knowledge of industrial practices required of an electrical technician. Facilities include modern labs and equipment which reinforce electrical theory with practical experience. In order to better qualify the student of this course for immediate productive work in industry upon graduation, the course has been designed about a common first year, and a second year which allows the student to specialize in an area of greatest interest to him. The areas of specialization are: Electrical Apparatus, and Industrial Electronic Systems. Opportunities for employment are found in electrical generation and distribution, communications, manufacturing, and building fields. Graduates are employed as draftsmen, servicemen, estimators, operators and inspectors.

N.B. See EL 1/Design Technician - Electrical for a Drafting oriented program.

Program Contents:

*SEMESTER I (15 week module)

			Credit Units per Semester:	Periods per Week:
EL	106	Electrical Fundamentals I	5	6
EL	107	Electrical Fundamentals II	3.5	4
ELTC	107	Electronic Fundamentals	1.5	2.5
ELTC	109	Introduction to Electronic and Acoustic Systems	1	2.5
INST	108	Instrumentation Fundamentals	4.5	6
MATH	101	Circuit Analysis	6	6
DR	100	Drafting Fundamentals	2	3
ENG	100	Language & Communications	2	2
			25.5	32

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.: EL 2
ELECTRICAL TECHNICIAN (CONT'D)	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:			Credit Units per Semester:	Periods per Week:
SEMESTER II (15 week module)				
EL	108	Electrical Machines	6	7
EL	109	Electrical Circuits	7	9
MATH	100	Mathematics	4	4
ENG	100	Language and Communications	2	2
MECH	100	Mechanics	4	4
DR	100	Drafting Fundamentals	2	4
			25	30
SEMESTER IIA (6 week module)				
EL	111	Electrical Control Systems	5	16
MATH	100	Mathematics	2	4
ENG	100	Language and Communications	2	2
MECH	100	Mechanics	2	4
DR	122	Electrical Drafting Fundamentals	2	4
			13	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.: EL 2
ELECTRICAL TECHNICIAN (CONT'D)	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:			Credit Units per Semester:	Periods per Week:
SEMESTER III (15 week module)				
EL	208	Electrical Distribution Systems	3	4
EL	209	Industrial Electronic Fundamentals	6	8
EL	211	Protection of Electrical Equipment	4	4
MATH	200	Mathematics	4	4
ENG	200	Language and Communication	2	2
**EC	100	Economics	4	4
DR	203	Electrical Drafting	2	4
			25	30
SEMESTER IV (15 week module)				
****EL		Electrical Elective	12	16
MATH	200	Mathematics	2	2
ENG	200	Language and Communications	2	2
PHYS	100	Applied Physics	4	4
EL	138	Materials and Regulations	1	2
***MECH		Mechanical Elective	2	4
			23	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM: ELECTRICAL TECHNICIAN (CONT'D)	GBC CODE NO.: EL 2
	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:

			Credit Units per Semester:	Periods per Week:
<u>SEMESTER IVA</u> (6 week module)				
****EL		Electrical Elective	5	16
EL	138	Materials and Regulations	1	2
EL	202	Electrical Laboratory and Installation	3	6
INST	105	Applied Nuclear Theory	4	6
			14	30

*<u>SEMESTER I</u> - Common to:

Design Technician Electrical
Electrical Technician
Electronic Technician
Sound Analysis and Acoustic Technician

**Liberal Studies Electives - Examples:

EC	100	Economics
EC	102	Engineering Law and Administration
PSY	204	Industrial Psychology and Salesmanship
BUS	100	Business Organization
BUS	201	Business Organization and Financing

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM: ELECTRICAL TECHNICIAN (CONT'D)	GBC CODE NO.: EL 2
	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

***Mechanical Electives - Examples:

INST	203	Computer Control Principles I
WELD	146	Welding
MACH	208	Numerical Control
INST	106	Industrial Process Instrumentation

****Electrical Electives - Examples:

EL	212	Industrial Electronic Control Systems (including laboratory)
EL	213	Electrical Apparatus (including laboratory)

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	
ELECTRONIC TECHNICIAN	OMRP CODE NO.:	

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
TERAULAY CAMPUS	2 YEARS	$160.00 per year	DIPLOMA

PREREQUISITES:
Grade 12

GENERAL INFORMATION:

This course is designed to provide Engineering Technicians to work in the maintenance, installation, production, design or research phases of the electronics industry. In order to better qualify the student of this course for immediate productive work in industry upon graduation, the course has been designed about a common first year and a second year which allows the student to specialize in an area of greatest interest ot him. The areas of specialization are: Communications, Computers, and ETV/TV Broadcast. Graduates of this course are now employed in research and engineering departments of government and industry, in utility companies, in radio and television broadcasting, in closed circuit television studios, in the oil industry and in computer and communications systems installation.

Program Contents:			Credit Units per Semester:	Periods per week:
*SEMESTER I (15 week module)				
EL	106	Electrical Fundamentals I	5	6
EL	107	Electrical Fundamentals II	3.5	4
ELTC	107	Electronic Fundamentals	1.5	2
ELTC	109	Introduction to Electronic and Acoustic Systems	1	2
INST	108	Instrumentation Fundamentals	4.5	6
MATH	101	Circuit Analysis	6	6
DR	100	Drafting Fundamentals	2	3
ENG	100	Language and Communications	2	2
			25.5	31

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	
ELECTRONIC TECHNICIAN (CONT'D)	OMRP CODE NO.:	

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:			Credit Units per Semester:	Periods per week:
SEMESTER II (15 week module)				
ELTC	108	Electronic Fundamentals II	6	9
ELTC	101	Amplifiers	6	9
ELTC	102	AM/FM Receiver Circuits	2	2
MATH	100	Mathematics	5	5
PHYS	105A	Overview of Phys 105 (Sound I)	2	2
ENG	100	Language and Communications	2	2
DR	100	Drafting Fundamentals	2	3
			25	32
SEMESTER IIA (6 week module)				
ELTC	102	AM/FM Receiver Circuits	5	14
ELTC	105A	Overview of Eltc 105 (T.V. Principles)	2	5
MATH	200	Mathematics	2	4
PHYS	105A	Overview of Phys 105 (Sound I)	1.5	3
ENG	100	Language and Communications	1	2
DR	205	Electronic Design Applications	2	5
			13.5	33

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM: ELECTRONIC TECHNICIAN (CONT'D)

GBC CODE NO.: EL 3

OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:

			Credit Units per Semester:	Periods per Week:
SEMESTER III (15 week module)				
ELTC	105	T.V. Principles	3	3
ELTC	200	Transistors	4	4
ELTC	201	Pulse Circuits	4	4
ELTC	213	Laboratory	5	10
MATH	200	Mathematics	4	4
ENG	200	Language and Communications	2	2
MECH	102	Machine and Dynamics	3	3
			25	30
Area of Specialization - Communications Technicians				
SEMESTER IV (15 week module)				
ELTC	202	Computer Principles	4	4
ELTC	203	Communications Principles	4	4
ELTC	210	Computer Programming	1	1
ELTC	212	Communications Systems	3	3
ELTC	213	Laboratory	4	8
ENG	200	Language and Communications	2	2
PHYS	200	Modern Physics	2	2
**EC	100	Economics	2	2
MATH	200	Mathematics	4	4
			26	30
SEMESTER IVA (6 week module)				
ELTC	212	Communications Systems	5.5	13
ELTC	210	Computer Programming	1	1
ELTC	213	Laboratory	2.5	10
**EC	100	Economics	1.5	2
PHYS	200	Modern Physics	2.5	5
			13	31

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM: ELECTRONIC TECHNICIAN (CONT'D)

GBC CODE NO.: EL 3

OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:

			Credit Units per Semester:	Periods per Week:
Area of Specialization - Computer Technicians				
SEMESTER IV (15 week module)				
ELTC	202	Computer Principles	4	4
ELTC	203	Communications Principles	4	4
ELTC	210	Computer Programming	1	1
ELTC	211	Computer Systems	3	3
ELTC	213	Laboratory	4	8
ENG	200	Language and Communications	2	2
PHYS	200	Modern Physics	2	2
**EC	100	Economics	2	2
MATH	200	Mathematics	4	4
			25	30
SEMESTER IVA (6 week module)				
ELTC	211	Computer Systems	5.5	13
ELTC	213	Laboratory	3	10
ELTC	111	Computer Programming	1	1
**EC	100	Economics	1	2
PHYS	200	Modern Physics	2.5	5
			13	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.: EL 3
ELECTRONICS TECHNICIAN (CONT'D)	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:

Area of Specialization - ETV and T.V. Broadcast Technician

SEMESTER III (15 week module)

			Credit Units per Semester	Periods per Week:
ELTC	200	Transistors	4	4
ELTC	201	Pulse Circuits	4	4
ELTC	215	Audio Systems Theory and Equipment	3	3
ELTC	213	Laboratory	5	10
MATH	200	Mathematics	4	4
ENG	200	Language and Communications	2	2
MECH	102	Machine and Dynamics	3	3
			25	30

SEMESTER IV (15 week module)

ELTC	216	Video Systems and Transmitting Systems Theory and Equipment	6	6
ELTC	217	T.V. Camera, Tape Recorders and Telecine Theory and Equipment	4	4
ELTC	213	Laboratory	5	10
ENG	200	Language and Communications	2	2
PHYS	200	Modern Physics	2	2
**EC	100	Economics	2	2
MATH	200	Mathematics	4	4
			25	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.: EL 3
ELECTRONICS TECHNICIAN (CONT'D)	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:

SEMESTER IVA (6 week module)

			Credit Units per Semester:	Periods per Week:
ELTC	217	T.V. Camera, Tape Recorders and Telecine Theory and Equipment	2	4
ELTC	218	Test equipment Theory and Practice	3	6
ELTC	213	Laboratory	2.5	10
ELTC	209	Introduction to Computer Principles and Digital Techniques	1	3
**EC	100	Economics	2	2
PHYS	200	Modern Physics	2.5	5
			13	30

*SEMESTER I - Common to:

Design Technician Electrical
Electrical Technician
Electronic Technician
Sound Analysis and Acoustic Technician

**Liberal Studies Elective

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	
ACOUSTICS TECHNICIAN	EL 4	
	OMRP CODE NO.:	

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
TERAULAY CAMPUS	2 YEARS	$160.00 per year	DIPLOMA

PREREQUISITES:

Grade 12 from any four or five year secondary school program, or equivalent

GENERAL INFORMATION:

To train students in principles of acoustic design, the techniques of sound analysis and modern practices of noise control. In general, the specialization phase of this course (2nd year) is designed to fit the graduate into the consulting engineering office or the architects' office in the acoustics and vibration sections. Also, the graduate will fit into the sales organization of those firms specializing in noise abatement materials and procedures and to some degree, the graduate could fit into the audio recording field as a sound technician.

Program Contents:			Credit Units per Semester:	Periods per Week:
*SEMESTER I (15 week module)				
EL	106	Electrical Fundamentals I	5	6
EL	107	Electrical Fundamentals II	3.5	4
ELTC	107	Electronic Fundamentals	1.5	2.5
ELTC	109	Introduction to Electronic and Acoustic Systems	1	2.5
INST	108	Instrumentation Fundamentals	4.5	6
MATH	101	Circuit Analysis	6	6
DR	100	Drafting Fundamentals	2	3
ENG	100	Language and Communications	2	2
			25.5	32
SEMESTER II (15 week module)				
ELTC	108	Electronic Fundamentals II	6	9
ELTC	101	Amplifiers	6	9
ELTC	102	AM/FM Receiver Circuits	2	2
MATH	100	Mathematics	5	5
PHYS	105A	Overview of PHYS 105 (Sound I)	2	2
ENG	100	Language and Communications	2	2
DR	100	Drafting Fundamentals	2	3
			25	32

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	
ACOUSTICS TECHNICIAN CONT'D	EL 4	
	OMRP CODE NO.:	

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:			Credit Units per Semester:	Periods per Week:
SEMESTER IIA (6 week module)				
ELTC	102	AM/FM Receiver Circuits	5	14
ELTC	105A	Overview of ELTC 105 (T.V. Principles)	2	5
MATH	200	Mathematics	2	4
PHYS	105A	Overview of PHYS 105 (Sound I)	1.5	3
ENG	100	Language and Communications	1	2
DR	205	Electronic Design Applications	2	5
			13.5	33
SEMESTER III (15 week module)				
PHYS	105	Sound I - Sound and Building Acoustic	11	14
PHYS	205	Sound II - Noise Control & Mechanical Vibrations	5	5
CO	103	Construction Materials and Methods	1.5	3
DR	112	Architectural Drafting (Introduction)	1.5	3
MATH	200	Mathematics	4	4
ENG	200	Language and Communications	2	2
			25	31

NAME OF PROGRAM: ACOUSTICS TECHNICIAN CONT'D

GBC COOE NO.: EL 4

OMRP COOE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:			Credit Units per Semester:	Periods per Week:
SEMESTER IV (15 week module)				
PHYS	205	Sound II - Noise Control and Mechanical Vibrations	14	18
CO	103	Construction Materials and Methods	1.5	2
BC	103	Salesmanship	1.5	2
ENG	200	Language and Communications	2	2
EC	100	Economics	2	2
MATH	200	Mathematics	4	4
			25	30
SEMESTER IVA (6 week module)				
PHYS	205	Sound II - Noise Control and Mechanical Vibrations	7	18
CO	103	Construction Materials and Methods	1	2
BC	103	Salesmanship	4	8
EC	100	Economics	1	2
			13	30

*SEMESTER I - Common to:

Design Technician Electrical
Electrical Technician
Electronic Technician
Sound Analysis and Acoustic Technician

NAME OF PROGRAM: ELECTRONICS - GENERAL

GBC COOE NO.: EL - 41

OMRP COOE NO.: 674

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
TERAULAY CAMPUS	1 YEAR (48 weeks)	$192.00 per year	CERTIFICATE

PREREQUISITES: GRADE 10

GENERAL INFORMATION:

The theory in this course is developed so that the principles involved in various circuits, modules and systems can be applied to all types of electronic equipment both domestic and commercial. To complement the theory, practical sessions in the laboratory are given on domestic equipment such as the radio, television, hi-fi and the record changer. With this background the graduate of this course is equipped to work effectively as a service technician in all electronic manufacturing companies, retail radio and television stores and in the small radio and television repair shop.

Program Contents:			Credit Units per Semester:	Periods per Week:
SEMESTER 1				
ELTC	130	Electrical and Electronic Fundamentals	4	4
ELTC	131	Semi-Conductors Devices and Circuits	4	4
ELTC	132	Radio-Hi Fi, and Sound Systems	3	3
ELTC	133	Fundamentals Laboratory	5	10
DR	133	Electronic Drafting	1.5	2
MATH	131	Mathematics	3	3
PHYS	131	Physics	2	2
ENG	130	Language and Communications	2	2
			24.5	30
SEMESTER II				
ELTC	134	Pulse and Digital Circuits	2	2
ELTC	135	Television Receiver Circuits and Systems	4	4
ELTC	136	Color Television and F.M. Multiplex	4	4
ELTC	137	Radio and Television Laboratory	5.5	11
DR	133	Electronics Drafting	1.5	2
MATH	131	Mathematics	3	3
PHYS	131	Physics	2	2
ENG	130	Language and Communication	2	2
			24	30

NAME OF PROGRAM:	GBC CODE NO.: EL 42
RADIO AND TELEVISION APPRENTICESHIP	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
TERAULAY CAMPUS	1st year-18 wks. 2nd year-18 wks.	SPONSORED	CERTIFICATE

PREREQUISITES:

GENERAL INFORMATION:

Length of Apprenticeship Term:

4 periods of 2000 hours

Program Contents:			Credit Units per Semester:	Periods per Week:
FIRST YEAR				
ELTC	150	Electrical Fundamentals	2	3
ELTC	151	Electronic Fundamentals	2	3
ELTC	152	Semi-conductors devices & Circuits	2	2
ELTC	153	Radio and Sound	2	2
ELTC	154	T. V. Principles	2	2
ELTC	155	Electronics Laboratory	6	12
DR	133	Electronic Drafting (Related)	1	2
MATH	131	Mathematics (Related Electronics)	1	2
ENG	10	English (Business)	1	2
			19	30
SECOND YEAR				
ELTC	156	Semi-conductor circuits	2	2
ELTC	157	FM and FM multiplex	2	2
ELTC	158	Black & White T.V. Principles and Servicing	3	4
ELTC	159	Color T.V.	2	3
ELTC	160	Tape Recorders, Record Changers and Pick-ups	1	1
ELTC	161	Radio & T.V. Laboratory	6	12
DR	133	Electronic Drafting (Related)	1	2
MATH	131	Mathematics (Related Electronics)	1	2
ENG	20	English (Business)	1	2
			19	30

NAME OF PROGRAM:	GBC CODE NO.: EL -43
ELECTRICAL DRAFTING	OMRP CODE NO.: 705

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
TERAULAY CAMPUS	40 Weeks	$160.00	CERTIFICATE

PREREQUISITES:

GRADE 10

GENERAL INFORMATION:

This course is designed to produce a draftsman with a good understanding of the basic concepts and applications of Electrical Theory. The main emphasis is placed upon the development of drafting skills. The drafting ability combined with a working knowledge of Electrical Theory will make a graduate from this course a versatile draftsman in any phase of electrical drafting. Graduates will be suitable for employment in consulting engineering offices, public utilities, electrical manufacturing and municipal offices.

Program Contents:			Credit Units per Semester	Periods per Week:
SEMESTER I				
EL	134	Electrical Drafting	9	14
DR	112	Architectural and Mechanical Blue Print Reading	1	2
EL	130	Electrical Fundamentals	6	6
EL	136	Electrical Lab	1	2
MATH	131	Mathematics	5	5
ENG	130	Language and Communications	2	2
			26	31
SEMESTER II				
EL	134	Electrical Drafting	9	14
EL	130	Electrical Fundamentals	2	2
EL	135	Electrical Equipment and Control	4	4
EL	136	Electrical Lab	1	2
EL	137	Industrial Electronic Controls Fundamentals	1	2
EL	138	Materials and Regulations	1	2
MATH	131	Mathematics	5	5
ENG	130	Language and Communications	2	2
			25	33

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:
ELECTRICAL CONSTRUCTION	EL - 70
	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
KENSINGTON CAMPUS	Basic: 7 wks. Intermediate: 7 " Advanced: 8 "	Sponsored	CERTIFICATE

PREREQUISITES:

GENERAL INFORMATION:

Industrial Electronics Program: 8 weeks, conducted during fifth apprenticeship period. All apprentices graduating from the advanced course have the opportunity of taking this course on a voluntary basis.

Program Contents:			Credit Units per Semester:	Periods per Week:
BASIC PROGRAM				
EL	10	Electrical Construction I	6	14
EL	11	Electrical Practice	2	8
MATH	10	Mathematics	2	3
ENG	10	English	1	2
DR	12	Drafting and Blueprint Reading	2	3
			13	30
INTERMEDIATE PROGRAM				
EL	20	Electrical Construction II	6	14
EL	21	Electrical Practice	2	8
MATH	20	Mathematics	2	3
ENG	20	English	1	2
DR	22	Drafting and Blueprint Reading	2	3
			13	30
ADVANCED PROGRAM				
EL	30	Electrical Construction III	6	14
EL	31	Electrical Practice	2	8
MATH	30	Mathematics	2	3
ENG	30	English	1	2
DR	32	Blueprint Reading	2	3
			13	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:
ELECTRICAL CONSTRUCTION CONT'D	EL - 70
	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:			Credit Units per Semester:	Periods per Week:
INDUSTRIAL ELECTRONIC PROGRAM (ELective)				
EL	40	Industrial Electronic Controls	4	7
EL	41	Electrical Practice	7	19
WELD	11	Welding	2	4
			13	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	LOCATION:	LENGTH:	FEES:	CERTIFICATION:
COLOUR TELEVISION	EL - 71	TERAULAY CAMPUS	10 Weeks	$40.00	SPECIAL CERTIFICATE
	OMRP CODE NO.: 685				

PREREQUISITES: Good background training and experience in Electronics with some exposure to Black and White T.V.

GENERAL INFORMATION:

Graduates from this program have prepared themselves for employment in the T.V. repair field, either in the small shop, as service technicians or in the factory as troubleshooters.

Program Contents:		Credit Units per Semester	Periods per Week:
ELTC 131	Semi conductor devices and circuits (including pertinent parts from ELTC 134)	5	8
ELTC 136	Colour Television and F.M. Multiplex (Including pertinent parts from ELTC 132)	5	12
ELTC 137	Radio and Television Laboratory	3	10
		13	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	LOCATION:	LENGTH:	FEES:	CERTIFICATION:
CLOSED CIRCUIT TELEVISION & VIDEO TAPE RECORDER - REPAIR & MAINTENANCE	EL 72	TERAULAY CAMPUS	15 WEEKS	Based on $4.00 per week	CERTIFICATE
	OMRP CODE NO.: 711				

PREREQUISITES:

B.T.S.D. - Level 3 plus two years experience and mechanical aptitude.

GENERAL INFORMATION:

To provide specialized training in CCTV techniques, including audio and VTR equipment applications, for Electronic Technicians with service and maintenance skills acquired in other electronic fields.

Job Opportunities: operating, installing, servicing and maintaining CCTV systems for transportation, hospitals, production plants, TV and recording studios, business, educational institution, and related industries.

Program Contents:		Periods per week:
ELTC 131	Semiconductor Devices and Circuits	4
ELTC 141	Audio System Theory & Maintenance	3
ELTC 142	Television Receiver-Monitor Theory and Applications	4
ELTC 143	Video Signal Origination and Processing Systems	4
ELTC 145	Laboratory	15
		30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:
INDUSTRIAL INSTRUMENTATION TECHNICIAN: THE SCIENCE OF INDUSTRIAL MEASUREMENT & CONTROL	EN 1
	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
KENSINGTON CAMPUS	2 YEARS	$160.00 per year	DIPLOMA

PREREQUISITES:

Grade 12 from 4 or 5 year program. Math and Science options would be an asset. Upon completion of Module I, successful candidates may make application to enter the Instrumentation Technology Program.

GENERAL INFORMATION:

Employment Opportunities: Opportunities are many and varied. Typical offerings would be: pulp and paper, petro-chemical, steel and manufacturing plants.

Program Contents:			Credit Units per Semester:	Periods per Week:
MODULE I				
EL	106	Electrical Fundamentals I	5	6
EL	107	Electrical Fundamentals II	3	4
ELTC	107	Electronic Fundamentals	3	4
INST	108	Instrumentation Fundamentals	4	6
DR	100	Technical Drawing	1.5	2
MATH	101	Circuit Analysis	6	6
ENG	100	Language & Communications	2	2
			24.5	30
MODULE II				
INST	100	Measuring Principles	5.5	8
INST	101	Electronic Instrumentation	6	9
INST	103	Piping and Instrument Lab Techniques	2	3
ENG	100	Language & Communications	2	2
MECH	100	Mechanics	4	4
MATH	100	Mathematics	4	4
			23.5	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:
INSTRUMENTATION TECHNICIAN Cont'd	EN 1
	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:			Credit Units per Semester:	Periods per Week:
MODULE IIa				
INST	104	Telemetering	6	9
INST	206	Applied Electronics	7	10
EC	100	Economics	4	4
MECH	100	Mechanics	4	4
MATH	100	Mathematics	4	4
			25	31
MODULE III				
INST	200	Automatic Control Principles I	7	10
INST	201	Final Control Elements	4	6
MATH	200	Mathematics	4	4
EC	100	Economics	4	4
ENG	200	Language and Communications	2	2
CHEM	100	Applied Chemistry	3	4
			24	30
MODULE IV				
INST	202	Analytical Instrumentation	4	6
INST	203	Computer Control Principles I	6	10
MATH	200	Mathematics	4	4
PHYS	100	Applied Physics	4	4
ENG	200	Language and Communications	2	2
CHEM	100	Applied Chemistry	3	4
			23	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM: INSTRUMENTATION TECHNICIAN Cont'd

GBC CODE NO.: EN 1

OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:			Credit Units per Semester:	Periods per Week:
MODULE IVa				
INST	105	Applied Nuclear Theory	5	6
INST	207	Applied Electronics	5	8
MATH	200	Mathematics	4	4
ENG	200	Language and Communications	2	2
CHEM	100	Applied Chemistry	3	4
PHYS	100	Applied Physics	4	4
INST	204	Industrial Preparation	1	2
			24	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM: PLASTICS THEORY AND TECHNIQUES TECHNICIAN A

GBC CODE NO.: EN 2

OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
CASA LOMA CAMPUS	2 YEARS	$160.00 per year	DIPLOMA

PREREQUISITES:

Grade 12 with Physics, Chemistry and Drafting preferred.

GENERAL INFORMATION:

In Canada the growth rate of the plastics industry is more than double the industrial average. Over 1,100 companies are engaged in plastics; more than 600 of these firms are in Ontario. This rapid expansion has created a strong demand for technicians at several levels.

Program Contents:			Credit Units per Semester:	Periods per Week:
FIRST YEAR				
PL	100	Thermoplastic Materials	3	3
PL	103	Thermoset Materials	2	2
PL	110	Thermoplastic Processes	3	4
PL	113	Thermoset Processes	2	3
PL	120	Thermoplastic Design	1	1
PL	123	Thermoset Design	1	1
DR	100	Technical Drawing	2	3
CHEM	110	Chemistry	3	4
PHYS	110	Physics	2	2
ENG	100	Language and Communications	2	2
MATH	100	Mathematics	4	4
EC	112	Business Organization	1	1
			26	30
SECOND YEAR				
PL	200	Thermoplastic Materials	3	3
PL	203	Thermoset Materials	2	2
PL	210	Thermoplastic Processes	3	4
PL	211	Thermoset Processes	2	3
PL	220	Thermoplastic Design	3	3
PL	223	Thermoset Design	2	2
CHEM	210	Chemistry	3	4
PHYS	210	Physics	2	2
ENG	200	Language and Communications	2	2
MATH	201	Mathematics	4	4
EC	212	Business Organization	1	1
			27	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	
TOOL AND DIE DESIGN	OMRP CODE NO.:	

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
CASA LOMA CAMPUS	2 YEAR	$160.00 per year	DIPLOMA

PREREQUISITES:

Grade 12 of a 4 or 5 year program which includes Physics, Chemistry and Mathematics. Drafting and shop options would be an asset.

GENERAL INFORMATION:

The aim of the Tool and Die Design Program is to develop the necessary theoretical practical skills. He studies Mathematics, Metallurgy, Metrology, Mechanics of Materials, so that his designs may be functional. In the course of his daily work routine, the designer is involved in liaison work between many company departments so that the study of language and communications is extremely important.

For the enterprising graduate prospects of advancement exist in Production, Manufacturing and Industrial Engineering.

Program Contents:			Credit Units per Semester:	Periods per Week:
FIRST YEAR - Semester I				
DR	118	Descriptive Geometry	2	3
DR	158	Drafting and Design	8	12
MATH	100	Mathematics	4	4
ENG	100	Language and Communications	2	2
MECH	100	Mechanics	3	3
TD	110	Metrology	1	1
MET	100	Metallurgy	1	1
MACH	110	Workshop Technology	3	4
			24	30
FIRST YEAR - Semester II				
DR	118	Descriptive Geometry	2	3
TD	100	Jig & Fixture Design I	2.5	4
TD	101	Jig & Fixture Design II	3	5
TD	102	Jig & Fixture Design III	1.5	2
TD	103	Jig & Fixture Design IV	1	1
MATH	100	Mathematics	4	4
MECH	100	Mechanics	3	3
ENG	100	Language and Communications	2	2
TD	110	Metrology	1	1
MET	100	Metallurgy	1	1
MACH	110	Workshop Technology	3	4
			24	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	
TOOL AND DIE DESIGN Cont'd	OMRP CODE NO.:	

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

It should be noted that Toolmaking Technician and Tool Design Technician students undertake a common first year program so that they may have the choice of specializing in either area during the second year.

Program Contents:			Credit Units per Semester:	Periods per Week:
ELECTIVES				
EL	105	Electrical Fundamentals Elective	2	2
CHEM	100	Chemistry Elective	2	3
PHYS	100	Physics Elective	2	2
TD	204	Process Engineering Elective	2	2
TD	206	Quality Control Elective	2	2
EC	100	Economics Elective	2	2
SECOND YEAR				
TD	200	Die Design I	3	4
TD	201	Die Design II	3	4
TD	202	Die Design III	3	4
TD	301	Tool Design Theory	2	3
MACH	207	Diemaking	2	4
MET	100	Metallurgy	1	1
TD	110	Metrology	1	1
MATH	200	Mathematics	4	4
MECH	110	Mechanics of Materials	2	2
ENG	200	Language and Communications Option	2	2
PL	125	Plastics Fundamentals	2	2
			25	31
ELECTIVES				
EL	105	Electrical Fundamentals Elective	2	2
CHEM	100	Chemistry Elective	2	3
PHYS	100	Physics Elective	2	2
TD	204	Process Engineering Elective	2	2
TD	206	Quality Control Elective	2	2
EC	100	Economics Elective	2	2

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.: EN 4
TOOLMAKING TECHNICIAN	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
CASA LOMA CAMPUS	2 YEARS	$160.00 per year	DIPLOMA

PREREQUISITES:

Grade 12

GENERAL INFORMATION:

On the Toolmaking Technician program, the student can obtain the theoretical knowledge and operating skills necessary to enable him to enter Toolmaking or related industries at an appropriate level.

Instruction is provided on standard machine tools and in modern techniques such as Numerical Control and Electrical Discharge Machining. Related courses are offered to complement instruction in the major area. The graduate can look forward to a vital and interesting career in the modern production process, a career which demands skill, application, accuracy and cost consciousness.

Program Contents:			Credit Units per Semester:	Periods per Week:
FIRST YEAR				
TD	105	Tool Design (Jig & Fixture)	2	4
MACH	120	Jigs and Fixtures I	2	3
MACH	121	Jigs and Fixtures II	2	3
MACH	122	Gauges	2	3
MACH	123	Diemaking	2	3
MACH	126	Non Traditional Machining (Numerical Control-EDM)	1.5	2
MACH	127	Hydraulics and Pneumatics	1.5	2
TD	110	Metrology	1	1
MET	100	Metallurgy	1	1
MATH	100	Mathematics	4	4
MECH	100	Mechanics	3	3
ENG	100	Language and Communications	2	2
			24	31
ELECTIVES				
WELD	145/146	Welding	1	1.5
CHEM	100	Chemistry	2	3
PHYS	100	Physics	2	2
TD	204	Process Engineering	2	2
TD	206	Quality Control	2	2
PL	125	Plastics Fundamentals	2	2
EC	100	Economics	2	2

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM.	GBC CODE NO.: EN 4
TOOLMAKING TECHNICIAN Cont'd	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:			Credit Units per Semester:	Periods per Week:
SECOND YEAR				
TD	205	Die Design	2	4
MACH	204	Diemaking I	2	4
MACH	205	Diemaking II	2	4
MACH	206	Diemaking III	1	2
MACH	208	Numerical Control	1.5	2
MET	100	Metallurgy	1	1
TD	110	Metrology	1	1
MATH	200	Mathematics	4	4
MECH	110	Mechanics of Materials	2	2
EL	105	Electrical Fundamentals	2	2
TEST	101	Non Destructive Testing	1.5	2
ED	100	Fundamentals of Supervision and Instructional Techniques	2	2
			22	30
ELECTIVES				
WELD	145/146	Welding	1	1.5
CHEM	100	Chemistry	2	3
PHYS	100	Physics	2	2
TD	204	Process Engineering	2	2
TD	206	Quality Control	2	2
PL	125	Plastics Fundamentals	2	2
EC	100	Economics	2	2

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM: MACHINE AND PRODUCT DESIGN

GBC CODE NO.: EN 5

OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
CASA LOMA CAMPUS	2 YEARS	$160.00 per year	DIPLOMA

PREREQUISITES:

Grade 12 of a 4 or 5 year program which includes Physics, Chemistry, and Mathematics. Drafting and shop options would be an asset.

GENERAL INFORMATION:

Machines, mechanical devices, and products of greatly sophisticated design are characteristic of modern industry. The design drawings, schematics, detail drawings, and assembly drawings for these machines and products are drawn by machine design or product design draftsmen. Through this program the student can gain the theoretical and practical knowledge which is required by draftsmen in manufacturing companies and other industrial organization in the general mechanical field.

Graduates may be employed as draftsmen, designers, process planners, salesmen, or estimators by manufacturing industries, consulting engineers and government departments.

Program Contents:			Credit Units per Semester:	Periods per Week:
FIRST YEAR - Semester I				
DR	118	Descriptive Geometry	2	3
DR	158	Drafting and Design	8	12
MATH	100	Mathematics	4	4
ENG	100	Language and Communications	2	2
MECH	100	Mechanics	3	3
MET	100	Metallurgy	2	2
MACH	110	Workshop Technology	3	4
			24	30
FIRST YEAR - Semester II				
DR	101	Machine Drawing and Design	7	10
DR	118	Descriptive Geometry	2	3
MATH	100	Mathematics	4	4
ENG	100	Language and Communications	2	2
MECH	100	Mechanics	3	3
MET	100	Metallurgy	2	2
DR	207	Kinematics	2	2
MACH	110	Workshop Technology	3	4
			25	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM: MACHINE AND PRODUCT DESIGN Cont'd

GBC CODE NO.: EN 5

OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:			Credit Units per Semester:	Periods per Week:
ELECTIVES				
EC	100	Economics Elective	2	2
CHEM	100	Chemistry Elective	2	3
TD	204	Process Engineering Elective	2	2
TD	206	Quality Control Elective	2	2
MACH	128	Numerical Control Elective	2	2
SECOND YEAR				
DR	201	Drawing and Product Design	6	9
DR	207	Kinematics	1.5	2
DR	222	Descriptive Geometry	3	4
MATH	200	Mathematics	4	4
MECH	110	Mechanics of Materials	2	2
EL	105	Electrical Fundamentals	2	2
PL	125	Plastics (Semester I)	1.5	3
WELD	145/ 146	Welding (Semester II)	1.5	3
ENG	200	Language and Communications Option	2	2
MACH	201	Manufacturing Processes	1.5	2
			25	30

NAME OF PROGRAM:	GBC COOE NO.:	
PROCESS PIPING DESIGN		EN 6
	OMRP COOE NO.:	

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
CASA LOMA CAMPUS	2 YEARS	$160.00 per year	DIPLOMA

PREREQUISITES:

Grade 12 of a 4 or 5 year program which includes Physics, Chemistry and Mathematics. Drafting and shop options would be an asset.

GENERAL INFORMATION:

Employment Opportunities: Pipes are the arteries and veins of any modern, industrial community. Fluids and semi solids, essential to our existence as a highly industrialized society, are carried by pipes during their production, processing, transportation and utilization. Future developments in atomic energy, rocket propulsion, petro-chemicals, food and drug production, cryogenics and pollution control, are creating demands for more sophisticated piping techniques. This challenge will require the services of highly skilled technicians and draftsmen.

The program is designed to prepare graduates for employment as technicians, draftsmen and estimators by consulting, and design engineers, public utilities and manufacturing industries.

Program Contents:			Credit Units per Semester:	Periods per Week:
FIRST YEAR - Semester I				
DR	118	Descriptive Geometry	2	3
DR	158	Drafting and Design	8	12
MATH	100	Mathematics	4	4
ENG	100	Language and Communications	2	2
MECH	100	Mechanics	3	3
MET	100	Metallurgy	2	2
MACH	110	Workshop Technology	3	4
			24	30
FIRST YEAR - Semester II				
DR	118	Descriptive Geometry	2	3
DR	104	Pipe Drafting and Design	7	10
MATH	100	Mathematics	4	4
ENG	100	Language and Communications	2	2
MECH	100	Mechanics	3	3
MET	100	Metallurgy	2	2
DR	115	Structural Drafting	2	3
MACH	110	Workshop Technology	3	4
			25	31

NAME OF PROGRAM:	GBC COOE NO.:	
PROCESS PIPING DESIGN Cont'd		EN 6
	OMRP COOE NO.:	

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:			Credit Units per Semester:	Periods per Week:
ELECTIVES				
EC	100	Economics Elective	2	2
TD	206	Quality Control Elective	2	2
EL	105	Electrical Fundamentals Elective	2	2
INST	103	Piping and Instrumentation Lab	2	3
SECOND YEAR				
DR	204	Design and Layout of Piping Systems	7	10
DR	222	Descriptive Geometry	3	4
DR	225	Materials and Processes	2	2
EN	107	Mechanics of Fluids	2	2
INST	106	Industrial Process Instrumentation	2	3
CHEM	100	Chemistry	2	3
MATH	200	Mathematics	4	4
ENG	200	Language and Communications Option	2	2
			24	30
ELECTIVES				
EC	100	Economics Elective	2	2
TD	206	Quality Control Elective	2	2
EL	105	Electrical Fundamentals Elective	2	2
INST	103	Piping and Instrumentation Lab	2	3

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	
MATERIALS HANDLING DESIGN	EN 7	
	OMRP CODE NO.:	

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
CASA LOMA CAMPUS	2 YEARS	$160.00 per year	DIPLOMA

PREREQUISITES:

Grade 12 of a 4 or 5 year program which includes Physics, Chemistry and Mathematics. Drafting and shop options would be an asset.

GENERAL INFORMATION:

Employment Opportunities: increasing automation and the application of modern packaging and handling techniques resulted in the development of the specialized field of materials handling design. The plant layouts, estimates, schematics, assembly and detail drawings of handling equipment and systems are produced by designer and draftsmen trained in the many facets of materials handling design. This program provides the student with theoretical and practical knowledge sufficient to enable him to enter the materials handling design field. Graduates may be employed as draftsmen, designers, salesmen, estimators or planners by processing and manufacturing plants, consulting engineers, primary industries and research and development companies.

Program Contents:			Credit Units per Semester:	Periods per Week:
FIRST YEAR - Semester I				
DR	118	Descriptive Geometry	2	3
DR	158	Drafting and Design	8	12
MATH	100	Mathematics	4	4
ENG	100	Language and Communications	2	2
MECH	100	Mechanics	3	3
MET	100	Metallurgy	2	2
MACH	110	Workshop Technology	3	4
			24	30
FIRST YEAR - Semester II				
DR	118	Descriptive Geometry	2	3
DR	123	Engineering Drawing and Design	7	10
DR	115	Structural Drafting	2	3
MECH	100	Mechanics	3	3
MATH	100	Mathematics	4	4
ENG	100	Language and Communications	2	2
MET	100	Metallurgy	2	2
MACH	110	Workshop Technology	3	4
			25	31

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	
MATERIALS HANDLING DESIGN Cont'd	EN 7	
	OMRP CODE NO.:	

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:			Credit Units per Semester:	Periods per Week:
SECOND YEAR - Semester I				
DR	212	Plant Layout and Handling Design	7	10
DR	222	Descriptive Geometry	3	4
MECH	110	Mechanics of Materials	2	2
TD	207	Industrial Engineering	2	2
MATH	200	Mathematics	4	4
ENG	200	Language and Communications Option	2	2
EL	106	Electrical and Electronic Fundamentals	4	4
PHYS	100	Physics	2	2
			26	30
SECOND YEAR - Semester II				
DR	212	Plant Layout and Handling Design	7	10
DR	222	Descriptive Geometry	3	4
MECH	110	Mechanics of Materials	2	2
TD	207	Industrial Engineering	2	2
MATH	200	Mathematics	4	4
ENG	200	Language and Communications Option	2	2
INST	107	Applied Control Theory	4	6
PHYS	100	Physics	2	2
			26	32
ELECTIVES				
EC	100	Economics Elective	2	2
CHEM	100	Chemistry Elective	2	2
EN	107	Mechanics of Fluids	2	2

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM: MATERIALS EVALUATION		GBC CODE NO.: EN 8 OMRP CODE NO.:	
LOCATION: CASA LOMA CAMPUS	LENGTH: 2 YEARS	FEES: $160.00 per year	CERTIFICATION: DIPLOMA

PREREQUISITES: Grade 12 of the 4 or 5 year program with Mathematics, Physics and Chemistry.

GENERAL INFORMATION:

The graduate will be prepared for employment in the materials testing, quality control and inspection departments of automtive and power generating equipment manufacturers, steel producing and pipeline companies, nuclear construction, and aircraft overhaul and manufacturing companies.

Program Contents:			Credit Units per Semester:	Periods per Week:
FIRST YEAR Semester I				
MAT	100	Materials Science	4	7
TEST	100	Elements of Testing	2	4
DR	100	Technical Drawing	2	3
MECH	100	Mechanics	6	6
MATH	100	Mathematics	4	4
PHYS	103	Physics	2	3
ENG	100	Language and Communication	2	2
TD	110	Metrology	2	2
			24	31
		Semester II		
MAT	100	Materials Science	4	7
TEST	100	Elements of Testing	4	6
DR	100	Technical Drawing	2	3
MATH	100	Mathematics	4	4
PHYS	103	Physics	2	3
ENG	100	Language and Communication	2	2
MECH	110	Mechanics of Materials	4	4
			22	29
SECOND YEAR				
TEST	200	Testing Techniques	11	17
MATH	200	Mathematics	4	4
MAT	200	Materials Science	3	5
ELTC	110	Electronic Fundamentals	2	2
ENG	200	Language and Communication	2	2
			22	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM: COATINGS TECHNICIAN		GBC CODE NO.: EN 9 OMRP CODE NO.:	
LOCATION: CASA LOMA CAMPUS	LENGTH: 2 YEARS	FEES: $160.00 per year	CERTIFICATION: DIPLOMA

PREREQUISITES: Grade 12 of the 4 or 5 year program with Mathematics, Physics and Chemistry.

GENERAL INFORMATION:

This program has been designed in conjunction with representative committees of the paint and coatings industry to prepare students to enter technical, production, sales and junior management areas of the industry. After a minimum of two years' industrial experience, the graduate will be eligible to apply to the Paint Industry Education Bureau for recognition as a "Paint Technologist".

Program Contents:			Credit Units per Semester:	Periods per Week:
FIRST YEAR Semester I				
CHEM	110	Chemistry	6	8
CHEM	111	Analytical Chemistry	3	4
CHEM	112	Industrial Chemistry	3	4
COAT	100	Basic Paint Technology	4	6
MATH	100	Mathematics	4	4
PHYS	100	Physics	2	2
ENG	100	Language and Communication	2	2
			24	30
		Semester II		
CHEM	113	Organic Chemistry	3	4
CHEM	111	Analytical Chemistry	3	4
CHEM	112	Industrial Chemistry	3	4
COAT	100	Basic Paint Technology	7	10
MATH	100	Mathematics	4	4
PHYS	100	Physics	2	2
ENG	100	Language and Communication	2	2
			24	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:
COATINGS TECHNICIAN CONT'D	EN 9
	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
	2 YEARS	$160.00	DIPLOMA

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:			Credit Units per Semester:	Periods per Week:
SECOND YEAR				
COAT	200	Paint Manufacture and Testing	3	6
COAT	201	Resins	2	3
COAT	202	Pigments	2	3
COAT	203	Solvents	2	2
COAT	204	Oils and Driers	2	2
CHEM	210	Polymer Chemistry	3	4
CHEM	212	Industrial Chemistry	2	2
MATH	200	Mathematics	4	4
MAT	101	Materials Science	2	2
ENG	200	Language	2	2
			24	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:
ORTHOTIC-PROSTHETIC TECHNIQUES	EN 10
	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
CASA LOMA CAMPUS	TECHNICIAN - 2 YEARS	$160.00 per year	DIPLOMA

PREREQUISITES:

Grade 12 of the 4 or 5 year program with Chemistry, Physics and preferably some shop experience.

GENERAL INFORMATION:

In the rehabilitation of the disabled, the orthotist designs and fits orthopaedic braces to support weakened body parts or to correct body defects, and the prosthetist designs and fits artificial limbs. In each case orthotic-prosthetic technicians construct the appliance and modify and improve the design in consultation with the orthotist and prosthetist.

The graduate of the two year orthotic-prosthetic techniques program will receive a background in materials, fabrication methods, anatomy, biomechanics, designs and shop practice to allow him to find employment as a technician in private establishments or government rehabilitation centres.

The prospective student for this program should have an interest in materials, the use of manual skills as well as machine tools and be of an inventive nature, since this is one field where modern technology is constantly changing the basis of the design and operation of artificial limbs. Lastly and of prime importance, the prospective student should have a sense of real concern for the welfare of the disabled.

Program Contents:			Credit Units per Semester:	Periods per Week:
FIRST YEAR - Semester I				
MED	100	Introductory Anatomy & Biomechanics	5	5
PROS	100	Introductory Orthopaedics	2	2
PROS	101	Materials and Shop Techniques	3	6
PL	125-1	Plastics	1	2
MACH	126	Machine Shop	2	3
DR	100	Technical Drawing	2	3
MECH	100	Mechanics	3	3
MET	100	Metallurgy	2	2
MATH	107	Mathematics	2	2
ENG	100	Language and Communications	2	2
			24	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM: ORTHOTIC-PROSTHETIC TECHNIQUES Cont'd

GBC CODE NO.: EN 10

OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:			Credit Units per Semester:	Periods per Week:
FIRST YEAR - Semester II				
MED	100	Introductory Anatomy & Biomechanics	5	5
PROS	100	Introductory Orthopaedics	2	2
PROS	101	Materials and Shop Techniques	1	2
PL	125-1	Plastics	1	2
MACH	126	Machine Shop	2	3
DR	100	Technical Drawing	2	3
MECH	100	Mechanics	3	3
MET	100	Metallurgy	2	2
MATH	107	Mathematics	2	2
ENG	100	Language and Communications	2	2
WELD	147	Welding	3	4
			25	30
ELECTIVES				
EL	105	Electrical Fundamentals Elective	2	2
SECOND YEAR - Semester I				
MED	200	Intermediate Anatomy	2	2
MED	201	Introductory Physiology	2	2
MED	202	Introductory Pathology	1	1
PSY	202	Psychology	2	2
PROS	200	Orthotic and Prosthetic Techniques	5	7
MACH	127	Machine Shop	2	3
PL	125-2	Plastics	2	2
DR	213	Technical Drawing	2	3
MECH	110	Mechanics of Materials	2	2
PROS	203	Field Practice	4	6
			24	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM: ORTHOTIC-PROSTHETIC TECHNIQUES Cont'd

GBC CODE NO.: EN 10

OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

The graduate of the third year program will receive a background of anatomy, biomechanics, physiology, psychology, pathology, rehabilitation, cast taking techniques and prescription formulating. A further two years internship will be required, working in the field under the direction of a certified prosthetist and/or orthotist which will allow eligibility to write certification examinations.

Program Contents:			Credit Units per Semester:	Periods per Week:
SECOND YEAR - Semester II				
MED	200	Intermediate Anatomy	2	2
MED	201	Introductory Physiology	2	2
MED	202	Introductory Pathology	1	1
PSY	203	Rehabilitation	2	2
PROS	200	Orthotic and Prosthetic Techniques	5	7
MACH	127	Machine Shop	2	3
PL	125-2	Plastics	2	2
DR	213	Technical Drawing	2	3
MECH	110	Mechanics of Materials	2	2
PROS	203	Field Practice	4	6
			24	30
THIRD YEAR				
MED	300	Advanced Anatomy and Kinesiology	2	2
MED	301	Physiology	1	1
MED	302	Pathology	1	1
PROS	300	Advanced Orthotic and Prosthetic Techniques	4	6
PROS	301	Physical and Occupational Therapy	1	1
PROS	302	Research Project	4	6
PROS	303	Field Practice	8	12
EC	113	Business Organization	1	1
			22	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:
WATCHMAKING	EN 11
	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
CASA LOMA CAMPUS	3 YEARS	$160.00 per year	DIPLOMA

PREREQUISITES:

Grade 12 or acceptable equivalent

GENERAL INFORMATION:

1. Two Year College Program - Graduates of the two year college program are qualified for employment in jewellery stores as watch repairers or in precision industries as craftsmen.

2. Three Year College Program - With an ever increasing number of electrical and electronic watches and clocks, it has been necessary to develop a program of study which will qualify students in this new field of horology. This program will also provide additional training in servicing complicated watches such as chronographs, complete phase calendar watches, and complicated clocks.

Program Contents:

			Credit Units per Semester:	Periods per Week:
FIRST YEAR		Semester I		
WATCH	130	Theory of Watchmaking	6	6
WATCH	131	Watchmaking Skills	12	18
SBM	132	Small Business Management	2	2
ENG	132	Language and Business Correspondence	2	2
MET	130	Metallurgy I	2	2
			24	30
		Semester II		
WATCH	132	Theory of Watchmaking	6	6
WATCH	133	Watchmaking Skills	12	18
SBM	132	Small Business Management	2	2
ENG	132	Language and Business Correspondence	2	2
MET	130	Metallurgy I	2	2
			24	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:
WATCHMAKING CONT'D	EN 11
	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:

			Credit Units per Semester:	Periods per Week:
SECOND YEAR		Semester I		
WATCH	232	Theory of Watchmaking	6	6
WATCH	231	Watchmaking Skills	12	18
SBM	232	Small Business Managment	2	3
DR	100	Drafting	2	3
			22	30
		Semester II		
WATCH	232	Theory of Watchmaking	6	6
WATCH	233	Watchmaking Skills	12	18
SBM	232	Small Business Management	2	3
DR	100	Drafting	2	3
			22	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM.	GBC CODE NO.:
WATCHMAKING CONT'D	EN 11
	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:			Credit Units per Semester:	Periods per Week:
THIRD YEAR		Semester I		
WATCH	330	Theory of Watchmaking	5	5
WATCH	331	Watchmaking Skills	12	19
MATH	136	Mathematics	2	2
ELTC	115	Electronics	4	4
			23	30
		Semester II		
WATCH	332	Theory of Watchmaking	5	5
WATCH	333	Watchmaking Skills	12	19
MATH	136	Mathematics	2	2
ELTC	115	Electronics	4	4
			23	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM.	GBC CODE NO.:
PRECISION INSTRUMENT TECHNIQUES	EN 12
	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
CASA LOMA CAMPUS KENSINGTON CAMPUS	2 YEARS	$160.00 per year	DIPLOMA

PREREQUISITES:

Grade 12 from 4 or 5 year program. Math and Science options would be an asset.

GENERAL INFORMATION:

Employment opportunities are wide and varied. Many industries require personnel possessing a high degree of manual skills integrated with a sound electronics background. Such industries might include: Instrument Departments, Control Systems and Guidance Manufacturers, Geophysical Services, Paramedical Services, Environmental and Meteorlogical Departments, Aircraft Systems Maintenance, etc.

Program Contents:			Credit Units per Semester:	Periods per Week:
MODULE I				
EL	106	Electrical Fundamentals I	5	6
EL	107	Electrical Fundamentals II	3	4
ELTC	107	Electronic Fundamentals	3	4
INST	108	Instrumentation Fundamentals	4	6
DR	100	Technical Drawing	1.5	2
MATH	101	Circuit Analysis	6	6
ENG	100	Language & Communications	2	2
			24.5	30
MODULE II				
INST	101	Electronic Instrumentation	6	9
DR	100	Applied Drawing	3	4
PIT	100	Horological Techniques	5	7
MECH	100	Mechanics	4	4
ENG	100	Language and Communications	2	2
MATH	100	Mathematics	4	4
			24	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM.	GBC CODE NO.:
PRECISION INSTRUMENT TECHNIQUES Cont'd	EN 12
	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:			Credit Units per Semester:	Periods per Week:
MODULE IIa				
INST	206	Applied Electronics	7	10
PIT	100	Horological Techniques	5	8
MECH	100	Mechanics	4	4
EC	100	Economics	4	4
MATH	100	Mathematics	4	4
			24	30
MODULE III				
INST	209	Control Theory & Application	5	6
MET	100	Metallurgy	3	3
PIT	201	Horological Techniques	5	8
PHYS	100	Physics	4	4
MATH	200	Mathematics	4	4
ENG	200	Language and Communications	2	2
CHEM	100	Applied Chemistry	2	3
			25	30
MODULE IV				
INST	203	Computer Control Principles I	4	7
INST	202	Analytical Instrumentation	5	6
MET	100	Metallurgy	3	3
PHYS	100	Applied Physics	4	4
MATH	200	Mathematics	4	4
CHEM	100	Applied Chemistry	2	4
ENG	100	Language and Communications	2	2
			24	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM.	GBC CODE NO.:
PRECISION INSTRUMENT TECHNIQUES Cont'd	EN 12
	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:			Credit Units per Semester:	Periods per Week:
MODULE IVa				
INST	109	Environmental Studies	4	4
INST	205	Applied Electronics	5	8
PHYS	100	Applied Physics	4	4
MATH	200	Mathematics	4	4
CHEM	100	Applied Chemistry	3	4
PIT	203	Industrial Preparation	2	2
DR	200	Applied Drawing	3	4
			25	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:
INDUSTRIAL INSTRUMENTATION TECHNOLOGY THE SCIENCE OF INDUSTRIAL MEASUREMENT & CONTROL	EN 14
	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
KENSINGTON	2700 Hours (2 years)	$160.00 per year	DIPLOMA (DIPL. T.)

PREREQUISITES:

Ontario Grade 12 with above average standing in Mathematics and Science.

GENERAL INFORMATION:

Instrumentation Technologists are employed in all Industries that utilize automatic controls. These industries include: chemical, petro chemical, textile, steel, pulp and paper, research and development companies, and instrument manufacturers.

Program Contents:			Credit Units per Semester:	Periods per Week:
MODULE I				
EL	106	Electrical Fundamentals I	5	6
EL	107	Electrical Fundamentals II	3	4
ELTC	107	Electronic Fundamentals	3	4
INST	108	Instrumentation Fundamentals	4	6
DR	100	Technical Drawing	1.5	2
MATH	101	Circuit Analysis	6	6
ENG	100T/1	Language & Communications	2	2
			24.5	30
MODULE II				
INST	100	Measuring Principles	5.5	8
INST	101	Electronic Instrumentation	6	9
INST	103	Piping & Instrument Lab Techniques	2	3
ENG	100T/2	Language & Communications	2	2
MATH	100T	Mathematics	4	4
PHYS	100T/1	Applied Physics	4	4
			23.5	30

Note: Module = 15 weeks

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:
INDUSTRIAL INSTRUMENTATION TECHNOLOGY: THE SCIENCE OF INDUSTRIAL MEASUREMENT & CONTROL Cont'd	EN 14
	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:			Credit Units per Semester:	Periods per Week:
MODULE III				
INST	104	Telemetering	6	9
INST	205	Applied Electronics	7	10
PHYS	100T/2	Applied Physics	4	4
EC	100T	Economics	4	4
MATH	200T/1	Mathematics	4	4
			25	31
MODULE IV				
INST	200	Automatic Control Principles I	7	10
INST	201	Final Control Elements	4	6
ENG	200T/1	Language & Communications	2	2
MATH	200T/2	Mathematics	4	4
PHYS	200T/1	Modern Physics	4	4
CHEM	100T	Physical Chemistry	2	4
			23	30
MODULE V				
INST	202	Analytical Instrumentation	4	6
INST	203	Computer Control Principles I	6	10
MATH	300T/1	Mathematics	4	4
ENG	200T/2	Language & Communications	2	2
PHYS	200T/2	Modern Physics	4	4
CHEM	200	Organic and Inorganic Chemistry	3	4
			23	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:
INDUSTRIAL INSTRUMENTATION TECHNOLOGY: THE SCIENCE OF INDUSTRIAL MEASUREMENT & CONTROL Cont'd	EN 14
	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:			Credit Units per Semester:	Periods per Week:
MODULE VI				
INST	300	Automatic Control Principles II	3	4
INST	301	Computer Control Principles II	5	8
INST	305T	Applied Electronics	5	8
INST	303	Research Seminar	2	2
CHEM	300	Industrial Chemistry	4	4
MATH	300T/2	Mathematics	4	4
			23	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:
PLASTICS THEORY AND TECHNIQUES TECHNICIAN C	EN 15
	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
CASA LOMA CAMPUS	2 YEARS	$160.00 per year	DIPLOMA

PREREQUISITES:
Grade 12 with Physics, Chemistry and Drafting preferred.

GENERAL INFORMATION:

In Canada the growth rate of the plastics industry is more than double the industrial average. Over 1,100 companies are engaged in plastics; more than 600 of these firms are in Ontario. This rapid expansion has created a strong demand for technicians at several levels.

Program Contents:			Credit Units per Semester:	Periods per Week:
FIRST YEAR - Semester I				
PL	101	Thermoplastic Materials	3	3
PL	104	Thermoset Materials	2	2
PL	111	Thermoplastic Techniques	5	5
PL	114	Thermoset Techniques	3	4
DR	100	Technical Drawing	2	3
CHEM	110	Chemistry	3	4
PHYS	110	Physics	2	2
ENG	110	Language and Communications	2	2
MATH	100	Mathematics	4	4
EC	112	Business Organization	1	1
			27	30
FIRST YEAR - Semester II				
Select either Group A or Group B				
GROUP A - THERMOPLASTICS				
PL	102	Thermoplastic Materials	6	6
PL	112	Thermoplastic Techniques	8	8
DR	100	Technical Drawing	2	3
CHEM	110	Chemistry	3	4
PHYS	110	Physics	2	2
ENG	110	Language and Communications	2	2
MATH	110	Mathematics	4	4
EC	112	Business Organization	1	1
			28	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM: PLASTICS THEORY AND TECHNIQUES TECHNICIAN C Cont'd	GBC CODE NO.: EN 15
	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:			Credit Units per Semester:	Periods per Week:
GROUP B - THERMOSETS				
PL	105	Thermoset Materials	6	6
PL	115	Thermoset Techniques	8	8
DR	100	Technical Drawing	2	3
CHEM	110	Chemistry	3	4
PHYS	110	Physics	2	2
ENG	110	Language and Communications	2	2
MATH	100	Mathematics	4	4
EC	112	Business Organization	1	1
			28	30

SECOND YEAR

Select either Group A or Group B based on first year choice

Semester I - GROUP A - THERMOPLASTICS

PL	201	Thermoplastic Materials	6	6
PL	211	Thermoplastic Techniques	8	10
CHEM	210	Chemistry	3	4
PHYS	210	Physics	2	2
ENG	200	Language and Communications	3	3
MATH	201	Mathematics	4	4
EC	212	Business Organization	1	1
			27	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM: PLASTICS THEORY AND TECHNIQUES TECHNICIAN C Cont'd	GBC CODE NO.: EN 15
	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:			Credit Units per Semester:	Periods per Week:
Semester I - GROUP B - THERMOSETS				
PL	204	Thermoset Materials	6	6
PL	211	Thermoset Techniques	8	10
CHEM	210	Chemistry	3	4
PHYS	210	Physics	2	2
ENG	200	Lanaguage and Communications	3	3
MATH	201	Mathematics	4	4
EC	212	Business Organization	1	1
			27	30

Select either Group A or Group B based on first year choice.

Semester II - GROUP A - THERMOPLASTICS

PL	201	Thermoplastic Materials	3	3
PL	211	Thermoplastic Techniques	4	5
CHEM	210	Chemistry	3	4
PHYS	210	Physics	2	2
ENG	200	Language and Communications	3	3
MATH	201	Mathematics	4	4
EC	212	Business Organization	1	1
		Plus one elective representing eight hours per week		

Semester II - GROUP B - THERMOSETS

PL	204	Thermoset Materials	3	3
PL	211	Thermoset Techniques	4	5
CHEM	210	Chemistry	3	4
PHYS	210	Physics	2	2
ENG	200	Language and Communications	3	3
MATH	201	Mathematics	4	4
EC	212	Business Organization	1	1
		Plus one elective representing eight hours per week		

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:
PLASTICS THEORY AND TECHNIQUES TECHNICIAN C Cont'd	EN 15
	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:			Credit Units per Semester:	Periods per Week:
ELECTIVES (Any one of the following)				
EDP	205	Introduction to Computer Programming	4	8
BC	201	Advertising and Sales Promotion	4	8
PL	230	Cost Estimating, Thermosets and Thermoplastics	6	8
PL	240	Basic Machine & Product Design for Plastics	6	8
PL	250	Research & Development, Plastics	6	8

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:
BUSINESS EQUIPMENT SERVICING	EN 41
	OMRP CODE NO.: 605

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
CASA LOMA CAMPUS	1 YEAR (48 weeks)	$160.00 per year	CERTIFICATE

PREREQUISITES:

Grade 12 (preferably) or Grade 10 and satisfactory completion of specified aptitude tests.

GENERAL INFORMATION:

This program is designed to provide the student with the theoretical and practical knowledge of various types of business machines; knowledge which is required of a business machine representative.

A business machine representative analyses and solves problems which occur on business equipment and assists customers to operate machines in a proper manner. The prospective representative should display a good mechanical aptitude, be neat and presentable, and be able to co-operate with other people. He should possess a current driving licence.

Because machines are increasing in number and in complexity, prospects in this occupation are excellent for the man who is ambitious and capable of working with a minimum of supervision.

Program Contents:			Credit Units per Semester:	Periods per Week:
SEMESTER I and II				
BES	100	Typewriters	6	9
BES	101	Figuring Machines	5	8
BES	102	Photocopying Machines	2	3
BES	103	Dictating Machines	2	3
ELTC	130	Electrical and Electronic Fundamentals	3	3
MATH	131	Mathematics	3	3
ENG	130	Language and Communications	2	2
			23	31
SEMESTER III				
BES	104	Logic Fundamentals		18
BES	105	Fundamentals Laboratory		3
BES	106	Business Machines		9
				30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:		GBC CODE NO.:	EN 42
INSTRUMENTATION MECHANIC		OMRP CODE NO.:	628
LOCATION:	**LENGTH:**	**FEES:**	**CERTIFICATION:**
KENSINGTON CAMPUS	1 YEAR (40 weeks)	$160.00 per year	CERTIFICATE

PREREQUISITES:

GRADE 10

GENERAL INFORMATION:

Instrumentation mechanics are required wherever industries are located. These include chemical plants, power plants, steel plants, pulp and paper plants, pipelines, refineries and the instrument companies which make, sell and service the instruments. Instrument men may work as field service representatives, in the base plant on manufacture, repair or calibration, or in process plants on instrument maintenance. Students graduating from this course with honours standing will be considered for admission to the Instrumentation Technician program.

Program Contents:			Credit Units per Semester:	Periods per Week:
FIRST SEMESTER				
INST	131	Electronic Instrumentation	11	17
INST	132	Installation Techniques	2	3
DR	137	Applied Drawing	1	2
MATH	132	Mathematics	3	3
ENG	130	Language and Communication	2	2
PHYS	132	Applied Physics	3	3
			22	30
SECOND SEMESTER				
INST	130	Pneumatic Instrumentation	11	18
INST	133	Analytical Instrumentation	3	4
MATH	132	Mathematics	3	3
ENG	130	Language and Communication	2	2
PHYS	132	Applied Physics	3	3
			22	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:		GBC CODE NO.:	EN 44
MACHINE SHOP PRACTICE		OMRP CODE NO.:	808
LOCATION:	**LENGTH:**	**FEES:**	**CERTIFICATION:**
CASA LOMA CAMPUS	1 YEAR (40 Weeks)	$160.00 per year	CERTIFICATE

PREREQUISITES:

Grade 10

GENERAL INFORMATION:

This program is designed to prepare students for entry into industry as machinists, apprentices, or machine operators. The category in which a student finds employment depends upon his age, previous experience, and the levels of skill and knowledge which he has acquired. Students find it advantageous to have completed Grade 12 in Machine Shop but, with suitable aptitudes and a willingness to work hard, those who have completed Grade 10 may prove successful in the program and later become good machinists.

Instruction is particularly concerned with measurement and machining to close tolerances, combined with production speeds and efficiencies of manufacture, sharpening cutting tools, and setting up machines.

Program Contents:			Credit Units per Semester:	Periods per Week:
MACH	140	Benchwork	1	1
MACH	141	Lathework	3.5	6
MACH	142	Milling and Shaping	2.5	4
MACH	143	Grinding	2	3
MACH	145	Numerical Control	1	1
WELD	145	Welding	1	1
WELD	146	Welding		
DR	130	Blueprint Reading	2	4
MET	132	Metallurgy	2	2
MATH	136	Mathematics	4	4
PHYS	140	Physics	2	2
ENG	130	Language and Communications	2	2
			23	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM: SET-UP MAN, THERMOPLASTIC (MACHINE MOULDING)

GBC CODE NO.: EN 45

OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
CASA LOMA CAMPUS	1 SEMESTER	$85.00	CERTIFICATE

PREREQUISITES:

Grade 10 with Drafting

GENERAL INFORMATION:

Program Contents:			Credit Units per Semester:	Periods per Week:
PL	130	Thermoplastic Materials	4	4
PL	133	Thermoplastic Processes	10	14
PL	136	Thermoplastic Design	6	8
CHEM	135	Chemistry	1	1
PHYS	135	Physics	1	1
ENG	141	Language and Communication	1	1
MATH	133	Mathematics	1	1
			24	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM: PLASTICS THEORY AND TECHNIQUES OPERATOR/THERMOPLASTIC(FORMING AND FABRICATING)

GBC CODE NO.: EN 46

OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
CASA LOMA CAMPUS	1 SEMESTER	$ 85.00	CERTIFICATE

PREREQUISITES:

Grade 10 with Drafting

GENERAL INFORMATION:

Program Contents:			Credit Units per Semester:	Periods per Week:
PL	131	Thermoplastic Materials	4	4
PL	134	Thermoplastic Processes	10	14
PL	137	Thermoplastic Design	6	8
CHEM	135	Chemistry	1	1
PHYS	135	Physics	1	1
ENG	141	Language and Communication	1	1
MATH	133	Mathematics	1	1
			24	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM: PLASTICS THEORY AND TECHNIQUES OPERATOR/THERMOSET (HAND LAY-UP)

GBC CODE NO.: EN 47

OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
CASA LOMA CAMPUS	1 SEMESTER	$85.00	CERTIFICATE

PREREQUISITES:

Grade 10 with Drafting

GENERAL INFORMATION:

Program Contents:

			Credit Units per Semester:	Periods per Week:
PL	132	Thermoset Materials	4	4
PL	135	Thermoset Processes	10	14
PL	138	Thermoset Design	6	8
CHEM	135	Chemistry	1	1
PHYS	135	Physics	1	1
ENG	141	Language and Communication	1	1
MATH	133	Mathematics	1	1
			24	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM: PLASTICS THEORY AND TECHNIQUES SET-UP MAN/THERMOSET(MACHINE MOULDING)

GBC CODE NO.: EN 48

OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
CASA LOMA CAMPUS	1 SEMESTER	$85.00	CERTIFICATE

PREREQUISITES:

Grade 10 with Drafting

GENERAL INFORMATION:

Program Contents:

			Credit Units per Semester:	Periods per Week:
PL	140	Thermoset Materials	4	4
PL	141	Thermoset Processes	10	14
PL	139	Thermoset Design	6	8
CHEM	135	Chemistry	1	1
PHYS	135	Physics	1	1
ENG	141	Language and Communication	1	1
MATH	133	Mathematics	1	1
			24	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:		
PLASTICS THEORY AND TECHNIQUES TECHNICIAN B- THERMOSETS	EN 49		
	OMRP CODE NO.:		
LOCATION:	**LENGTH:**	**FEES:**	**CERTIFICATION:**
CASA LOMA CAMPUS	1 YEAR	$160.00	CERTIFICATE

PREREQUISITES:

Grade 12 with Physics, Chemistry and Drafting preferred.

GENERAL INFORMATION:

In Canada the growth rate of the plastics industry is more than double the industrial average. Over 1,100 companies are engaged in plastics; more than 600 of these firms are in Ontario. This rapid expansion has created a strong demand for technicians at several levels.

Program Contents:			Credit Units per Semester:	Periods per Week:
THERMOSET				
PL	103	Thermoset Materials	4	5
PL	203	" "		
PL	113	Thermoset Processes	4	8
PL	211	" "		
PL	123	Thermoset Design	1	1
PL	223	" "		
CHEM	110	Chemistry	3	4
PHYS	110	Physics	2	2
ENG	100	Language and Communication	3	3
MATH	100	Mathematics	4	4
EC	112	Business Organization	1	1
DR	100	Technical Drawing	2	3
			24	31

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:		
PLASTICS THEORY AND TECHNIQUES TECHNICIAN B THERMOPLASTICS	EN 50		
	OMRP CODE NO.:		
LOCATION:	**LENGTH:**	**FEES:**	**CERTIFICATION:**
CASA LOMA CAMPUS	1 YEAR	$160.00 per year	DIPLOMA

PREREQUISITES:

Grade 12 with Physics, Chemistry and Drafting preferred.

GENERAL INFORMATION:

In Canada the growth rate of the plastics industry is more than double the industrial average. Over 1,100 companies are engaged in plastics; more than 600 of these firms are in Ontario. This rapid expansion has created a strong demand for technicians at several levels.

Program Contents:			Credit Units per Semester:	Periods per Week:
THERMOPLASTICS				
PL	100	Thermoplastic Materials	5	5
PL	200	Thermoplastic Materials		
PL	110	Thermoplastic Processes	5	7
PL	210	Thermoplastic Processes		
PL	120	Thermoplastic Design	2	2
PL	220	Thermoplastic Design		
DR	100	Technical Drawing	2	3
CHEM	110	Chemistry	3	4
PHYS	110	Physics	2	2
ENG	100	Language and Communications	3	3
MATH	100	Mathematics	4	4
EC	112	Business Organization	1	1
			27	31

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM: WELDER FITTER

GBC CODE NO.: EN 51

OMRP CODE NO.: 815

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
KENSINGTON CAMPUS	1 YEAR (40 weeks)	$160.00 per year	CERTIFICATE

PREREQUISITES:

Grade 10

GENERAL INFORMATION:

Modern welding processes are continuing to revolutionize the metal fabricating industries and will effect even greater changes as new processes are developed. Welding is an integral part of a great many trades and remains the most economical method of joining metals. Graduates of this program are well prepared to advance beyond the operator level to positions of responsibility; welding supervision, welding inspection, sales and manufacturers' representatives, are but a few. Students graduating from this program will be considered for the Welding Specialist program, which is designed to prepare graduates to proceed toward positions in the welding industry at the technician level.

Program Contents:			Credit Units per Semester:	Periods per Week:
WELD	140	Oxy-Acetylene Welding, Brazing and Cutting/Theory and Practice	2	3
WELD	141	Electric Arc Welding/Theory and Practice	8	13
WELD	142	Fabrication/Theory and Practice	2	4
WELD	143	Inert Gas Welding/Theory and Practice	1	1
WELD	144	Pipe Welding/Theory and Practice	1	1
DR	134	Plate and Structural Layout	1	2
DR	135	Blueprint Reading	1	2
MATH	136	Mathematics	2	2
ENG	130	Language and Communication	2	2
			20	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM: WELDING OPERATOR

GBC CODE NO.: EN 52

OMRP CODE NO.: 816

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
KENSINGTON CAMPUS	1 SEMESTER (20 wks.)	$80.00	CERTIFICATE

PREREQUISITES:

Grade 8 minimum

GENERAL INFORMATION:

This program provides an excellent opportunity for any man between 16 and 50 to learn a useful skill in a relatively short period of time and to enter a well-paying trade at a mechanic's level. Because welding is an integral part of a great many trades, graduates of this course experience little difficulty in finding suitable employment. Evening courses in special welding techniques are readily available for the ambitious person wishing to prepare for advancement.

Program Contents:			Credit Units per Semester:	Periods per Week:
WELD	130	Oxy-Acetylene Welding, Brazing and Cutting/Theory and Practice	5	9
WELD	131	Electric Arc Welding/Theory and Practice	9	15
DR	147	Bluepring Reading	2	4
ENG	141	Language and Communication	2	2
			18	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	
WELDING SPECIALIST	EN 53	
	OMRP CODE NO.:	

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
KENSINGTON CAMPUS	1 YEAR	$160.00 per year	CERTIFICATE

PREREQUISITES: The aims of the program are to develop practical welding skills and theory to a high level. Candidates should have had previous welding experience through any of the following prerequisites: (a) specialization in Welding in a Secondary School and possession of a Grade 12 graduation diploma; (b) successful completion of a Welder-Fitter program in a College of Applied Arts and Technology; (c) approved industrial experience.
Pre-entry training or upgrading can be arranged for candidates who do not possess the stated prerequisites.

GENERAL INFORMATION:

This program provides the opportunity for young men with a basic knowledge of welding to achieve much greater competency in the highly specialized fields of manual and semi-automatic inert gas welding, uphill and downhill welding of pipe and metal fabrication.

In addition, students can acquire the theoretical background necessary to prepare them to advance toward such industrial positions as process development, weld testing and inspection, quality control and design, at the technician level.

Program Contents:			Credit Units per Semester:	Periods per Week:
WELD	100	Manual Welding Processes/ Arc and Gas	4	5
WELD	101	Tungsten Inert Gas Welding	1	2
WELD	102	Semi-Automatic and Automatic Welding Processes	2	3
WELD	103	Industrial Welding Applications and Shop Procedures	4	5
MET	100	Metallurgy	2	2
MATH	100	Mathematics	4	4
ENG	100	Language and Communications	2	2
EL	100	Electrical Fundamentals	2	2
DR	118	Descriptive Geometry	1	2
DR	105	Technical Drawing	2	3
			24	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	
WELDER FITTER REFRESHER	EN 54	
	OMRP CODE NO.:	822

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
KENSINGTON CAMPUS	20 WEEKS	$80.00	CERTIFICATE

PREREQUISITES: Basic knowledge of welding theory and manipulative skills necessary for reasonably good quality workmanship in flat and horizontal positions using both electric arc and oxy-acetylene processes. This type of background is essential to achieve in 20 weeks the level of competence of a Welder Fitter graduate. A pre-induction theory and practical test is required.

GENERAL INFORMATION:

Welding processes are used in a wide variety of industries, ranging in scope from pipeline welding to consumer products, from ship building to construction welding. Welding offers many opportunities to the ambitious student. This program is designed to build upon and improve already acquired welding skills to standards required by the Boiler Inspection Branch of the Department of Labour. Graduates may expect to find employment at the mechanic's level in any one of a wide variety of industrial welding positions or related occupations.

Program Contents:		Credit Units per Semester:	Periods per Week:
WELD140	Oxy-Acetylene Welding, Brazing Cutting/Theory and Practice	3	6
WELD141	Electric Arc Welding/Theory and Practice	8	13
WELD142	Fabrication/Theory and Practice	2	4
WELD143	Inert Gas Welding/Theory and Practice	1	1
DR134	Plate and Structural Layout	1	2
DR135	Blueprint Reading	1	2
MATH136	Mathematics	2	2
		18	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM.	GBC CODE NO.:	
IRONWORKER APPRENTICE	EN 70	
	OMRP CODE NO.:	

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
CASA LOMA CAMPUS	Basic-8wks. Intermediate-7 wks. Advanced-7 wks.	SPONSORED	CERTIFICATE

PREREQUISITES:

Refer to the Industrial Training Branch of the Department of Labour.

GENERAL INFORMATION:

Program Contents:			Credit Units per Semester:	Periods per Week:
BASIC PROGRAM				
IRON	10	Ironwork I	8	18
MATH	10	Mathematics	1	3
ENG	10	English	1	2
DR	14	Drafting	1	3
WELD	11	Welding	1	2
WELD	21	Welding	1	2
			13	30
INTERMEDIATE PROGRAM				
IRON	20	Ironwork II	8	18
MATH	20	Mathematics	1	3
ENG	20	English	1	2
DR	20	Drafting	1	3
WELD	10	Welding	1	2
WELD	20	Welding	1	2
			13	30
ADVANCED PROGRAM				
IRON	30	Ironwork III	8	18
MATH	30	Mathematics	1	3
ENG	30	English	1	2
DR	34	Drafting	1	3
WELD	41	Welding	2	4
			13	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM.	GBC CODE NO.:	
MACHINIST APPRENTICE	EN 71	
	OMRP CODE NO.:	

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
CASA LOMA CAMPUS	Basic: 8 Wks Intermediate: 7 " Advanced: 7 "	SPONSORED	CERTIFICATE

PREREQUISITES:

Refer to the Industrial Training Branch of the Department of Labour.

GENERAL INFORMATION:

Program Contents:			Credit Units per Semester:	Periods per Week:
BASIC PROGRAM				
MACH	10	Machine Shop	8	20
MATH	10	Mathematics	2	4
DR	14	Blueprint Reading	2	4
ENG	10	English	1	2
			13	30
INTERMEDIATE PROGRAM				
MACH	20	Machine Shop	8	20
MATH	20	Mathematics	2	4
DR	24	Blueprint Reading	2	4
ENG	20	English	1	2
			13	30
ADVANCED PROGRAM				
MACH	30	Machine Shop	8	20
MATH	30	Mathematics	2	4
DR	40	Blueprint Reading	2	4
ENG	30	English	1	2
			13	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	
MILLWRIGHT APPRENTICE	EN 72	
	OMRP CODE NO.:	

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
CASA LOMA CAMPUS	Basic: 8 wks. Intermediate: 7 " Advanced: 7 "	SPONSORED	CERTIFICATE

PREREQUISITES:

Refer to the Industrial Training Branch of the Department of Labour.

GENERAL INFORMATION:

Program Contents:			Credit Units per Semester:	Periods per Week:
BASIC PROGRAM				
MILL	10	Millwright I	7	17
MATH	10	Mathematics	1.5	3
ENG	10	English	1	2
PHYS	11	Physics	1	1
DR	14	Blueprint Reading	1.5	3
WELD	10	Welding	1	4
WELD	11	Welding		
			13	30
INTERMEDIATE PROGRAM				
MILL	20	Millwright II	7	17
MATH	20	Mathematics	1.5	3
ENG	20	English	1	2
PHYS	21	Physics	1	1
DR	24	Blueprint Reading	1.5	3
WELD	20	Welding	1	4
WELD	21	Welding		
			13	30
ADVANCED PROGRAM				
MILL	30	Millwright III	7	17
MATH	30	Mathematics	1.5	3
ENG	30	English	1	2
PHYS	31	Physics	1	1
DR	34	Blueprint Reading	1.5	3
WELD	30	Welding	1	4
WELD	31	Welding		
			13	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	
TOOLMAKING APPRENTICE	EN 74	
	OMRP CODE NO.:	

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
CASA LOMA CAMPUS	Basic: 8 weeks Intermediate: 7 " Advanced: 7 "	SPONSORED	CERTIFICATE

PREREQUISITES:

Refer to the Industrial Training Branch of the Department of Labour.

GENERAL INFORMATION:

Program Contents:			Credit Units per Semester:	Periods per Week:
BASIC PROGRAM				
MACH	11	Toolmaking	8	20
MATH	10	Mathematics	2	4
DR	14	Blueprint Reading	2	4
ENG	10	English	1	2
			13	30
INTERMEDIATE PROGRAM				
MACH	21	Toolmaking	8	20
MATH	20	Mathematics	2	4
DR	24	Blueprint Reading	2	4
ENG	20	English	1	2
			13	30
ADVANCED PROGRAM				
MACH	31	Toolmaking	8	20
MATH	30	Mathematics	2	4
DR	41	Blueprint Reading	2	4
ENG	30	English	1	2
			13	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	LOCATION:	LENGTH:	FEES:	CERTIFICATION:
LATHE OPERATOR	EN 75	CASA LOMA CAMPUS	1 Session (12 weeks)	$48.00	CERTIFICATE
	OMRP CODE NO.: 807				

PREREQUISITES:

Grade 10

GENERAL INFORMATION:

This course is designed to prepare students for entry into industry as Lathe Operators. Persons who have completed Grade 12 and have an interest in the Machine Tool industry will find this course most suitable as preparation for initial employment as a Toolroom or Production Lathe Hand.

Program Contents:			Credit Units per Semester:	Periods per Week:
MACH	137	Small Tools and Measurement	1	1
MACH	138	Lathe and Ancillary Equipment	5	21
DR	140	Blueprint Reading	1	4
MATH	133	Mathematics	2	4
			9	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	LOCATION:	LENGTH:	FEES:	CERTIFICATION:
BLUEPRINT READING FOR WELDERS (BASIC)	EN 76	CASA LOMA CAMPUS	8 WEEKS	$32.00	CERTIFICATE
	OMRP CODE NO.: 688				

PREREQUISITES:

GRADE 8

GENERAL INFORMATION:

This program was developed specifically for the welder wishing to broaden his employment capability. Upon completion of the program the welder will know the basic language of drafting standards for welding detail and assembly drawings.

Program Contents:			Credit Units per Semester:	Periods per Week:
DR	148	Blueprint Reading	10	20
MATH	10	Mathematics	6	6
ENG	10	Language and Communication	4	4
			20	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	LOCATION:	LENGTH:	FEES:	CERTIFICATION:
BLUEPRINT READING FOR WELDERS (ADVANCED)	EN 77	CASA LOMA CAMPUS	8 WEEKS	$32.00	CERTIFICATE
	OMRP CODE NO.: 689				

PREREQUISITES:

Grade 8 and Blueprint Reading (Basic) EN 76

GENERAL INFORMATION:

This program is designed to equip the student with an in-depth knowledge required for employment within the welding industry. Through this program the student can gain experience in geometrical construction, radial line development and advanced symbols and dimensioning.

Program Contents:		Credit Units per Semester:	Periods per Week:
DR149	Blueprint Reading	10	20
MATH20	Mathematics	6	6
ENG20	English	4	4
		20	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	LOCATION:	LENGTH:	FEES:	CERTIFICATION:
WATCHMAKING APPRENTICE PROGRAM	EN 80	CASA LOMA CAMPUS	Basic - 24 wks. Advanced-8 wks.	SPONSORED	CERTIFICATE
	OMRP CODE NO.:				

PREREQUISITES:

Refer to the Industrial Training Branch, Department of Labour.

GENERAL INFORMATION:

Program Contents:			Credit Units per Semester:	Periods per Week:
BASIC PROGRAM				
WATCH	10	Watchmaking Theory & Practice	17	28
MATH	10	Mathematics	1	1
ENG	10	English	1	1
			19	30
ADVANCED PROGRAM				
WATCH	20	Watchmaking Theory & Practice	17	28
MATH	20	Mathematics	1	1
ENG	20	English	1	1
			19	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	LOCATION:	LENGTH:	FEES:	CERTIFICATION:
FOOD PROCESSING TECHNOLOGY	F 1	KENSINGTON CAMPUS	3 YEARS	$160.00 per year	DIPLOMA
	OMRP CODE NO.:				

PREREQUISITES: Grade 12, (of the 4 or 5 year stream) or acceptable equivalent, with a minimum standing of 60% in Science, (Physics, Chemistry, or Biology), Mathematics and English.

GENERAL INFORMATION:

This is a co-operative program designed to prepare the student for a career in any one of the many branches of the Food Processing Industry. Thorough schooling in the Applied and Biological Sciences and their application to the Processing of Food will be given. Concentrated instruction related to a specific branch of the Food Industry will be given in the final year.

During the three years the student will spend 6 semesters of 15 weeks each in academic studies of the College and two semesters of 20 weeks in practical work by employment in the industry for which he will be paid at the prevailing rate.

Opportunities in: Research and Development, Quality Control, Marketing, Plant Sanitation, Production Supervision, Marketing Technical Sales and Service, Government Inspection and Regulatory Services.

Program Contents:

			Credit Units per Semester:	Periods per Week:
FIRST YEAR - Semester I				
CHEM	102	General Chemistry	4.5	6
PHYS	104	Applied Physics	4.5	6
MATH	100	Mathematics	4	4
BIO	100	Biology	4.5	6
EC	100	Economics	3	3
FT	100	Food Industry	2	2
ENG	100	Language & Communication	3	3
			25.5	30
Semester II				
CHEM	100	Chemistry	4.5	6
PHYS	104	Applied Physics	4.5	6
MATH	100	Mathematics	4	4
PHY	100	Physiology	4.5	6
EC	100	Economics	3	3
FT	100	Food Industry	2	2
ENG	100	Language & Communication	3	3
			25.5	30

Cont'd

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	LOCATION:	LENGTH:	FEES:	CERTIFICATION:
FOOD PROCESSING TECHNOLOGY	F 1				
	OMRP CODE NO.:				

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:

			Credit Units per Semester:	Periods per Week:
SECOND YEAR - Semester I				
CHEM	202	Organic Chemistry	4.5	9
FT	200	Food Engineering	5	3
FT	201	Food Processing	3	3
BIO	200	Food Microbiology	5	6
MATH	200	Mathematics	3	3
ENG	210	Communication in Industry	3	3
		Option	3	3
			26.5	30
Semester II				
CHEM	202	Organic Chemistry	4.5	9
FT	200	Food Engineering	5	3
FT	201	Food Processing	3	3
BIO	200	Food Microbiology	5	6
MATH	200	Mathematics	3	3
ENG	212	Communication in Industry	3	3
		Option B	3	3
			26.5	30

OPTIONAL SUBJECTS

MARK	204	Advertising and Sales Promotion
MARK	203	Introduction to Marketing
ACC	206	Accounting
ACC	202	Cost Accounting
EDP	100	Introduction to Automatic Data Processing
INST	131	Electronic Instrumentation

Cont'd

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM: FOOD PROCESSING TECHNOLOGY

GBC CODE NO.: F 1

OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:			Credit Units per Semester:	Periods per Week:
THIRD YEAR - Semester I				
CHEM	301	Biochemistry	4.5	6
CHEM	300	Food Chemistry	3	3
CHEM	302	Food Analysis	6	9
SAN	300	Sanitation and Pollution	2	2
TF	300	Control and Evaluation of Food Quality	2	2
MATH	316	Elementary Statistics	2	2
FT	201	Food Processing	3	3
		Option	3	3
			25.5	30
		Semester II		
CHEM	301	Biochemistry	4.5	6
CHEM	300	Food Chemistry	3	3
CHEM	302	Food Analysis	6	9
SAN	300	Sanitation and Pollution	2	2
TF	300	Control and Evaluation of Food Quality	2	2
MATH	316	Elementary Statistics	2	2
FT	201	Food Processing	3	3
		Option	3	3
			25.5	30

OPTIONAL SUBJECTS

NUT	300	Applied Nutrition
INST	200	Automatic Conrol Principles I

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM: DIETARY SERVICES ADMINISTRATION

GBC CODE NO.: F 2

OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
KENSINGTON CAMPUS	2 YEARS	$160.00 per year	DIPLOMA

PREREQUISITES: Grade 12 of the 4 or 5 year Streams with a minimum of 60% in Science.

GENERAL INFORMATION:

Successful graduates of this course will find a demand for their services in the Food Service Department at public and private institutions as assistants to Administrative and Therapeutic Dieticians or Food Service Managers.

Program Contents:			Credit Units per Semester:	Periods per Week:
FIRST YEAR - Semester I				
HIND	100	General Orientation	1	1
FP	100	Food Preparation (Basic)	6	8
SAN	100	Sanitation & Hygiene	3	3
FT	100	Food Products & Standards	4	4
HIND	101	Menu Planning & Food Merchandising	4	4
MATH	110	Mathematics	3	3
ENG	110	Language & Communication	3	3
ACC	102	Bookkeeping & Accounting	3	3
FT	101	Food Preparation Equipment	1	1
			28	30
		Semester II		
FP	100	Food Preparation (Basic)	6	8
HIND	103	Food Cost Analysis	5	5
ACC	102	Bookkeeping & Accounting	3	3
EC	100	Economics II	3	3
ENG	111	Language & Communication	3	3
HIND	104	Human Relations	2	2
NUT	100	Nutrition and Diets	3	3
ACC	103	Business Organization & Finance	2	2
			27	29

NAME OF PROGRAM: DIETARY SERVICES ADMINISTRATION Cont'd

GBC CODE NO.: F 2

OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:

			Credit Units per Semester:	Periods per Week:
SECOND YEAR - Semester I				
HIND	203	Facilities Design & Layout	3	3
EC	211	Economics II	3	3
EC	103	Business Law	2	2
DR	156	Blueprint Reading	1	1
HIND	200	Dining Room Service	3.5	5
FP	204	Food Preparation (Advance)	4	6
HIND	205	Food Advertising & Sales Promotion	3	3
HIND	204	Personnel Management	3	3
NUT	200	Therapeutic Nutrition	4	4
			26.5	30
Semester II				
HIND	208	Payroll Analysis & Control	1	1
HIND	207	Restaurant & Hotel Law	1	1
FP	201	Testing & Development of Conveniece Food	4	4
ACC	208	Restaurant Accounting	3	3
TF	201	Food Science	3	4
HIND	213	Management Practice	12	16
			24	29

NAME OF PROGRAM: DIETARY SERVICES ADMINISTRATIONS

GBC CODE NO.: F 2

OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:

			Credit Units per Semester:	Periods per Week:
SECOND YEAR - Semester II				
TF	201	Food Science	3	4
FP	203	Introduction to Convenience Foods	3	3
FP	201	Testing and Development of Convenience Foods	5	5
or				
BK	200	Quantity Baking and Dessert Preparation	(any two)	
or				
MC	200	Meat Cutting for Food Service Establishments	5	5
HIND	215	Types and Uses of Food Service Equipment	2	2
HIND	203	Design and Layout of Food Service Establishments	3	3
HIND	208	Payroll Analysis and Control	1	1
HIND	204	Personnel Management	3	3
HIND	206	Atmosphere and Interior Design	2	2
EC	211	Economics 11	3	3
			30	31

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.: F3
FOOD ADMINISTRATION	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
KENSINGTON CAMPUS	2 YEARS	$160.00 per year	DIPLOMA

PREREQUISITES: Admission Requirements: Grade 12 or Journeyman Chef certificate with 2nd class honours.

GENERAL INFORMATION:

This course is designed to fill the growing need for men and women who are trained to administer food production on a large scale. Students are taught all aspects of food production from purchasing through to service and in addition are schooled in modern methods of management.

Successful graduates of this course may look forward to well paid positions in restaurants, institutions, and industrial catering companies at the midmanagement levels.

Program Contents:			Credit Units per Semester:	Periods per Week:
FIRST YEAR - Semester I				
HIND	100	General Orientation	1	1
FP	100	Food Preparation (Basic)	6	8
SAN	100	Sanitation & Hygiene	3	3
FT	100	Food Products & Standards	4	4
HIND	101	Menu Planning & Food Merchandising	4	4
MATH	110	Mathematics	3	3
ENG	110	Language & Communication	3	3
ACC	102	Bookkeeping & Accounting	3	3
FT	101	Food Preparation Equipment	1	1
			28	30
		Semester II		
FP	100	Food Preparation (Basic)	6	8
HIND	103	Food Cost Analysis	5	5
ACC	102	Bookkeeping and Accounting	3	3
EC	210	Economics I	3	3
ENG	111	Language & Communication	3	3
HIND	104	Human Relations	2	2
NUT	100	Nutrition & Diets	3	3
ACC	103	Business Organization & Finance	2	2
			27	29

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.: F 3
FOOD ADMINISTRATION Cont'd	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

This second year program is now established on a full extensive co-operative basis with the food, beverage and administration departments of the Park Plaza Hotel.

Program Contents:			Credit Units per Semester:	Periods per Week:
SECOND YEAR - Semester I				
HIND	216	Theory of Catering	3	3
HIND	209	Beverage Preparation & Service	2	2
HIND	203	Facilities & Design Layout	3	3
EC	211	Economics II	3	3
EC	103	Business Law	2	2
DR	156	Blueprint Reading/Drafting	1	1
HIND	200	Dining Room Service	3.5	5
FP	204	Food Preparation (Advanced)	4	6
HIND	205	Food Advertising & Sales Promotion	3	3
HIND	204	Personnel Management	3	3
			27.5	31
		Semester II		
HIND	209	Beverage Cost & Sales Control	2	2
HIND	208	Payroll Analysis & Control	1	1
HIND	207	Restaurant & Hotel Law	1	1
FP	201	Testing & Development of Convenience Food	4	4
ACC	208	Restaurant Accounting	3	3
HIND	201	Automatic Food Merchandising	2	2
HIND	213	Management Practices	12	16
			25	29

NAME OF PROGRAM: HOTEL-MOTEL ADMINISTRATION

GBC CODE NO.: F 4

OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
KENSINGTON CAMPUS	2 YEARS	$160.00 per year	DIPLOMA

PREREQUISITES: Grade 12

GENERAL INFORMATION:

The growing hotel and motel industry offers a variety of equally interesting career opportunities. Many, possibly the majority of the jobs in the industry involve almost constant contact with the public, and require the sort of personality who can readily adapt to the often demanding situations which may arise. However, there are opportunities as well for the person with an analytical bend of mind. The course delves into all aspects of hotel and motel management, and thus permits the student to become acquainted with the hotel and motel field as a whole, so that he can, upon graduation, decide in which particular area he wants to specialize. Graduates of the course will be able to find employment in the front office, sales, catering, beverage, accounting, personnel, and other departments of hotels and motels, as well as in related areas such as the institutional and restaurant catering field.

Program Contents:			Credit Units per Semester:	Periods per Week:
FIRST YEAR - Semester I				
HIND	100	General Orientation	1	1
FP	100	Food Preparation (Basic)	6	8
SAN	100	Sanitation & Hygiene	3	3
TF	100	Food Products & Standards	4	4
HIND	101	Menu Planning & Food Merchandising	4	4
MATH	110	Mathematics	3	3
ENG	110	Language & Communication	3	3
ACC	102	Bookkeeping and Accounting	3	3
FT	101	Food Preparation Equipment	1	1
			28	30
		Semester II		
FP	100	Food Preparation (Basic)	6	8
HIND	103	Food Cost Analysis	5	5
ACC	102	Bookkeeping I	3	3
EC	210	Economics I	3	3
ENG	111	Language & Communication	3	3
HIND	104	Human Relations	2	2
ACC	103	Business Organization & Finance	2	2
HIND	105	Organization of Hotel Operations	1	1
HIND	106	Front Office I	2	2
			27	29

NAME OF PROGRAM: HOTEL-MOTEL ADMINISTRATION Cont'd

GBC CODE NO.: F 4

OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

This 2nd year is now established on a full extensive co-operative basis with the Park Plaza Hotel.

Program Contents:			Credit Units per Semester:	Periods per Week:
SECOND YEAR - Semester I				
HIND	211	Front Office	4.5	5
SAN	200	Hotel Housekeeping	4	4
HIND	205	Hotel Advertising & Sales Promotion	3	3
HIND	216	Theory of Catering	3	3
FP	206	Beverage Preparation & Service	2	2
HIND	214	Facilities Design and Layout	3	3
EC	211	Economics II	3	3
EC	103	Business Law	2	2
DR	156	Blueprint Reading/Drafting	1	1
HIND	200	Dining Room Service	3.5	5
			29	31
		Semester II		
HIND	212	Hotel Accounting	3	3
HIND	206	Hotel Interior Design	2	2
FP	203	Introduction to Convenience Food	2	2
HIND	204	Hotel Personnel Management	3	3
HIND	209	Beverage Cost & Sales Control	2	2
HIND	208	Payroll Analysis & Control	1	1
HIND	207	Restaurant & Hotel Law	1	1
HIND	213	Management Practice	12	16
			26	30

NAME OF PROGRAM: HOTEL-MOTEL ADMINISTRATION

GBC CODE NO.: F 4

OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
KENSINGTON CAMPUS	2 YEARS	$160.00 per year	DIPLOMA

PREREQUISITES: Grade 12

GENERAL INFORMATION:

The growing hotel and motel industry offers a variety of equally interesting career opportunities. Many, possibly the majority of the jobs in the industry involve almost constant contact with the public, and require the sort of personality who can readily adapt to the often demanding situations which may arise. However, there are opportunities as well for the person with an analytical bend of mind. The course delves into all aspects of hotel and motel management, and thus permits the student to become acquainted with the hotel and motel field as a whole, so that he can, upon graduation, decide in which particular area he wants to specialize. Graduates of the course will be able to find employment in the front office, sales, catering, beverage, accounting, personnel, and other departments of hotels and motels, as well as in related areas such as the institutional and restaurant catering field.

Program Contents:			Credit Units per Semester:	Periods per Week:
FIRST YEAR - Semester I				
HIND	100	General Orientation	1	1
FP	100	Food Preparation (Basic)	6	8
SAN	100	Sanitation & Hygiene	3	3
TF	100	Food Products & Standards	4	4
HIND	101	Menu Planning & Food Merchandising	4	4
MATH	110	Mathematics	3	3
ENG	110	Language & Communication	3	3
ACC	102	Bookkeeping and Accounting	3	3
FT	101	Food Preparation Equipment	1	1
			28	30
		Semester II		
FP	100	Food Preparation (Basic)	6	8
HIND	103	Food Cost Analysis	5	5
ACC	102	Bookkeeping I	3	3
EC	210	Economics I	3	3
ENG	111	Language & Communication	3	3
HIND	104	Human Relations	2	2
ACC	103	Business Organization & Finance	2	2
HIND	105	Organization of Hotel Operations	1	1
HIND	106	Front Office I	2	2
			27	29

NAME OF PROGRAM: HOTEL-MOTEL ADMINISTRATION Cont'd

GBC CODE NO.: F 4

OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

This 2nd year is now established on a full extensive co-operative basis with the Park Plaza Hotel.

Program Contents:			Credit Units per Semester:	Periods per Week:
SECOND YEAR - Semester I				
HIND	211	Front Office	4.5	5
SAN	200	Hotel Housekeeping	4	4
HIND	205	Hotel Advertising & Sales Promotion	3	3
HIND	216	Theory of Catering	3	3
FP	206	Beverage Preparation & Service	2	2
HIND	214	Facilities Design and Layout	3	3
EC	211	Economics II	3	3
EC	103	Business Law	2	2
DR	156	Blueprint Reading/Drafting	1	1
HIND	200	Dining Room Service	3.5	5
			29	31
		Semester II		
HIND	212	Hotel Accounting	3	3
HIND	206	Hotel Interior Design	2	2
FP	203	Introduction to Convenience Food	2	2
HIND	204	Hotel Personnel Management	3	3
HIND	209	Beverage Cost & Sales Control	2	2
HIND	208	Payroll Analysis & Control	1	1
HIND	207	Restaurant & Hotel Law	1	1
HIND	213	Management Practice	12	16
			26	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:		GBC CODE NO.: F 40	
BAKERY TECHNICIAN		OMRP CODE NO.:	
LOCATION:	**LENGTH:**	**FEES:**	**CERTIFICATION:**
KENSINGTON CAMPUS	1 YEAR	$160.00	CERTIFICATE

PREREQUISITES: Grade 12, preferably with a knowledge of the Baking Industry or a science background; honours apprenticeship students; or acceptable equivalent.

GENERAL INFORMATION:

This course is designed to give students a broad, deep knowledge of the various techniques employed in the Canadian Baking Industry.

1. The physical and chemical aspects of the baking processes will be stressed as well as their application in production baking.

*2. The courses as described in this program are available from the Extension Program with credits applicable to final certification. Thus, students employed in the baking industry can obtain certification through the Day Release Extension Program.

Program Contents:		Credit Units per Semester	Periods per Week:
SEMESTER I			
BK 134	Bread Making Technology (Day: Tuesday)	6	6
BK 135	Cake Making Technology (Day: Wednesday)	6	6
BK 136	Cookie and Biscuit Technology (Day: Thursday)	6	6
BK 137	Candy and Chocolate Technology (Day: Friday)	6	6
BK 138	Decorating Techniques and Design (Day: Monday)	6	6
		30	30
SEMESTER II			
SAN 130	Sanitation, Hygiene and Microbiology Techniques (Day: Monday)	6	6
TF 130	Quality Control and Product Development (Day: Tuesday)	6	6
BK 139	Bakery Engineering and Equipment (Day: Wednesday)	6	6
FT 130	Cereal Chemistry and Technology (Day: Thursday)	6	6
BK 140	Bakery Management (Day: Friday)	6	6
		30	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM.		GBC CODE NO.: F 40	
BAKERY TECHNICIAN (Cont'd)		OMRP CODE NO.:	
LOCATION:	**LENGTH:**	**FEES:**	**CERTIFICATION:**

PREREQUISITES.

GENERAL INFORMATION:

* SPECIAL NOTE: Full-time employees in the baking industry may attend any one of the above programs on recommendation of their employers. Each subject is offered on the basis of one day per week, in order to encourage this type of participation.

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	LOCATION:	LENGTH:	FEES:	CERTIFICATION:
BAKING PRE-EMPLOYMENT	F 41	KENSINGTON CAMPUS	Basic - 20 weeks Adv. - 20 weeks	Sponsored	CERTIFICATE
	OMRP CODE NO.: 712				

PREREQUISITES: Grade 10 or equivalent

GENERAL INFORMATION:

To prepare students, who do not meet apprenticeship prerequisites for a career in the Canadian Baking Industry with special reference to the in-store bakery and craft style bakery.

PROGRAM CONTENTS:			CREDIT UNITS PER SEMESTER:	PERIODS PER WEEK:
BASIC				
BK	15	Bread Craft	2	4
BK	17	Cake Craft	2	4
BK	18	Cookie Craft	1.5	3
BK	16	Pastry Craft	2	4
BK	10	Theory Baking	2	2
BK	11	Related Theory	7	7
BK	140	Baking Management	1	1
BK	13	Nutrition	1	1
MATH	11	Mathematics	2	2
ENG	11	English	2	2
			22.5	30
ADVANCED				
BK	25	Bread Craft	2	4
BK	26	Cake Craft	2	4
BK	27	Pastry Craft	2	4
BK	19	Decorating Craft	1.5	3
BK	21	Related Theory	7	7
BK	20	Theory Baking	3	3
BK	140	Baking Management	1	1
MATH	21	Mathematics	2	2
ENG	21	English	2	2
			22.5	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	LOCATION:	LENGTH:	FEES:	CERTIFICATION:
CHEF TRAINING (Pre-Employment)	F 42	KENSINGTON CAMPUS	40 WEEKS	$160.00	CERTIFICATE
	OMRP CODE NO.:				

PREREQUISITES: Grade 10

GENERAL INFORMATION:

Graduates of this course will find unlimited opportunities for gainful employment in all areas of the Food Service Industry, including Hotel Kitchens, Restaurants, Institutions, Commercial and Industrial Catering organizations. Evening banquets are considered an essential part of this program. Candidates must be prepared to complete a minimum of 30 banquet hours during the program.

Program Contents:			Credit Units per Semester:	Periods per Week:
SEMESTER I				
TF	131	Theory of Food	5	5
BK	130	Theory of Baking	.5	1
MC	130	Theory of Meat	.5	1
HIND	130	Kitchen Management	1	2
FP	130	Quantity Food Preparation, Practical	6	12
BK	132	Practical Baking	1.5	3
MC	132	Practical Meat Cutting	.5	1
MATH	135	Business Mathematics	1	2
ENG	141	Language and Communication	1	2
NUT	131	Nutrition	.5	1
CONV	10	Convenience Food	.5	1
			18	31
SEMESTER II				
TF	131	Theory of Food	3	3
BK	130	Theory of Baking	1	2
HIND	130	Kitchen Management	3	4
FP	131	Advanced Quantity Foods	6	12
BK	133	Advanced Baking	1.5	3
MC	132	Practical Meat Cutting	.5	1
MATH	135	Business Mathematics	1	2
ENG	141	Language and Communication	1	2
MC	130	Theory of Meat	.5	1
CONV	20	Convenience Food	.5	1
			18	31

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM: COOK TRAINING (Pre-Apprenticeship)

GBC CODE NO.: F 43

OMRP CODE NO.: 614

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
KENSINGTON CAMPUS	20 WEEKS	$80.00	CERTIFICATE

PREREQUISITES: Grade 10, or equivalent

GENERAL INFORMATION:

This course is designed to prepare men and women for a career in professional cooking. Graduates are encouraged to enter the Apprentice Chef Training program and complete the requirements for the Provincial Certificate of Qualification as a Journeyman Chef.

Program Contents:			Credit Units per Semester:	Periods per Week:
TF	131	Theory of Food	5	5
BK	131	Theory of Baking	.5	1
MC	130	Theory of Meat	.5	1
HIND	130	Kitchen Management	1	2
FP	130	Quantity Food Preparation Practical	6	12
BK	132	Practical Baking	1.5	3
MC	131	Practical Meat Cutting	.5	1
MATH	135	Business Mathematics	1	2
ENG	141	Language and Communication	1	2
NUT	131	Nutrition	.5	1
CONV	10	Convenience Food	.5	1
			18	31

Evening banquets are considered an essential part of the program. Candidates must be prepared to complete a minimum of 30 banquet hours during the program.

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM: RETAIL MEAT CUTTING-BUTCHERY

GBC CODE NO.: F 44

OMRP CODE NO.: 642

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
KENSINGTON CAMPUS	20 WEEKS 1 Semester; Sept. 1970 & 1st Mon. of each month	$80.00	CERTIFICATE

PREREQUISITES: Grade 10, of any four-year program. High standard of personal hygiene and be willing to take a complete medical examination which is administered by the Health Centre at the College.

GENERAL INFORMATION:

Professional meat cutters are employed by the following organizations: independent meat stores, chain store meat departments, hotel and restaurant portion control supply houses, home freezer supply houses and catering organizations. Graduates of this course, because of their skill and immediate value to an employer, will experience little difficulty in finding an employer of their choice.

Program Contents:			Credit Units per Semester:	Periods per Week:
MC	133	Practical Meat Cutting	7.5	15
MC	134	Trade Theory	6	6
HIND	136	Business Procedure	2	2
SAN	131	Sanitation and Hygiene	2	2
NUT	130	Foods and Nutrition	2	2
MATH	135	Business Mathematics	2	2
ENG	141	Language and Communication	1	1
			22.5	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	OMRP CODE NO.:
BAKING APPRENTICE	F 45	

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
KENSINGTON CAMPUS	Basic: 15 weeks Advanced:" "	SPONSORED	CERTIFICATE

PREREQUISITES: Length of Apprenticeship Term:
2 periods of 2,000 hours each

GENERAL INFORMATION:

This course is designed to give students a broad knowledge of the baking industry, giving them a knowledge and the skills to enable graduates to work in small bakeries, in-store bakeries, hotel and restaurant bakeries and pastry departments, hospital bakeries, and positions in plant bakeries.

The courses as described in this program are available from the Extension Program with credits applicable to final certification. Thus, students employed in the baking industry can obtain certification through the Day Release Extension Program.

Program Contents:			Credit Units per Semester:	Periods per Week:
BASIC				
BK	15	Bread Craft (Basic)	4	6
BK	17	Cake Craft (Basic)	4	6
BK	18	Cookie Craft	2	4
BK	16	Pastry Craft (Basic)	3	6
BK	11	Related Theory	2	2
MATH	11	Mathematics	1	2
ENG	11	English	1	2
BK	10	Theory of Baking	2	2
			19	30
ADVANCED				
BK	25	Bread Craft (Advanced)	4	6
BK	26	Cake Craft (Advanced)	4	6
BK	27	Pastry Craft (Advanced)	4	6
BK	19	Decorating Craft	2	4
BK	21	Related Theory	1	1
MATH	21	Mathematics	1	2
ENG	21	English	1	2
BK	20	Theory of Baking	2	3
			19	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	OMRP CODE NO.:
CHEF TRAINING - Apprentice	F 46	

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
KENSINGTON CAMPUS	Basic: 15 weeks Advanced: "	SPONSORED	CERTIFICATE

PREREQUISITES: LENGTH OF APPRENTICESHIP: 3 periods of 2,000 hours

GENERAL INFORMATION:

Program Contents:			Credit Uints per Semester:	Periods per Week:
BASIC				
TF	10	Theory of Food	5	5
BK	13	Theory of Baking	.5	1
MC	10	Theory of Meat	.5	1
HIND	10	Kitchen Management	1	2
FP	10	Quantity Food Preparation, Practical	6	12
MC	11	Practical Meat Cutting	.5	1
BK	14	Practical Baking	1.5	3
MATH	11	Mathematics	1	2
ENG	11	English	1	2
NUT	11	Nutrition	.5	1
CONV	10	Convenience Food	.5	1
			18	31
ADVANCED				
TF	20	Theory of Food	3	3
BK	23	Theory of Baking	1	2
HIND	20	Kitchen Management	3	4
FP	20	Advanced Quantity Foods	6	12
BK	24	Advanced Baking	1.5	3
MC	20	Meat Cutting	.5	1
MATH	21	Mathematics	1	2
ENG	21	English	1	2
MC	21	Theory of Meat	.5	1
CONV	20	Convenience Food	.5	1
			18	31

Evening banquets are considered an essential part of this course. All students will be expected to complete a minimum of 30 banquet hours per semester.

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	LOCATION:	LENGTH:	FEES:	CERTIFICATION:
RETAIL MEAT CUTTING & BUTCHERY (Apprentice)	F 47	KENSINGTON CAMPUS	One 18 wk. course at the beginning of the Apprenticeship T.	SPONSORED	CERTIFICATE
	OMRP CODE NO.:				

PREREQUISITES:

GENERAL INFORMATION:

LENGTH OF APPRENTICESHIP TERM:

2 periods of 2,000 hours.

Program Contents:			Credit Units per Semester:	Periods per Week:
MC	12	Practical Meat Cutting	9	18
MC	13	Trade Theory	5	5
HIND	11	Business Procedure	2	2
NUT	10	Foods and Nutrition	1	1
MATH	11	Mathematics	1	2
ENG	11	English	1	2
			19	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	LOCATION:	LENGTH:	FEES:	CERTIFICATION:
DINING ROOM SERVICE	F 70	KENSINGTON CAMPUS	10 WEEKS	$40.00	CERTIFICATE
	OMRP CODE NO.: 420				

PREREQUISITES: Grade 10 Preference

GENERAL INFORMATION:

Graduates have ample opportunity to select positions from a variety of establishments in the Food Service Industry. Many hotel dining rooms, clubs, railway dining cars, and motels employ only trained personnel or graduates of recognized courses. Many graduates have entered the industry directly as junior managers with restaurant chains. Others find employment in institutions which permit advancement to the positions of captain, maitre d'hotel, assistant manager, manager, hostess or manageress.

Program Contents:			Periods per Week:
HIND	132	Theory of Dining Room Service	5
HIND	133	Table Service	15
TF	133	Theory of Food	6
HIND	134	French Service	2
HIND	135	Beverage Service	2
			30

* Prospective candidates should be well-motivated, have a pleasing personality and a good personal appearance.

** Evening banquet service is considered an essential part of the practical training program. Candidates must be prepared to complete a minimum of 30 banquet hours during the program.

NAME OF PROGRAM:		GBC CODE NO.:	CERTIFICATION:
CHEF REFRESHER		F 71	
		OMRP CODE NO.: 612	
LOCATION:	LENGTH:	FEES:	
KENSINGTON CAMPUS	8 WEEKS	$32.00	CERTIFICATE

PREREQUISITES: An individual who has been employed in the food industry as a cook with little or no formal cooking training. Grade 10 or equivalent preferred.

GENERAL INFORMATION:

This course is designed to provide the formal Chef Training that is so often lacking in those individuals who have grown into their jobs. Upon successful completion the student should be able to handle a more responsible job in the kitchen.

Program Contents:			Periods per Week:
TF	131	Theory of Food	3
BK	131	Theory of Baking	2
MC	130	Theory of Meat	1
HIND	130	Kitchen Management	4
FP	130	Quantity Food Preparation Practical	12
BK	132	Practical Baking	3
MC	131	Practical Meat Cutting	1
NUT	131	Nutrition	2
SAN	132	Sanitation, Hygiene & Safety	1
CONV	10	Convenience Food	1
MATH	11	Mathematics	2
			32

NAME OF PROGRAM:		GBC CODE NO.:	CERTIFICATION:
FOOD SERVICE HOSTESS		F 72	
		OMRP CODE NO.: 716	
LOCATION:	LENGTH:	FEES:	
KENSINGTON CAMPUS	5 WEEKS	$20.00	CERTIFICATE

PREREQUISITES:

Presentable appearance, desire to meet the public; Pleasant personality. Ability to communicate in the English Language.

GENERAL INFORMATION:

The course is designed to produce a hostess capable of providing satisfactory service to customers frequenting a Fast Food and Family Type Restaurant.

Program Contents:			Periods per Week:
HIND	132	Theory Dining Room Service	8
HIND	133	Table Service	15
HIND	135	Beverage Service	5
SAN	11	Sanitation & Hygiene	2
			30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	LOCATION:	LENGTH:	FEES:	CERTIFICATION:
FAST FOOD SERVICE COOKS	F 73	KENSINGTON CAMPUS	8 WEEKS	$32.00	CERTIFICATE
	OMRP CODE NO.: 715				

PREREQUISITES: Grade 10 or equivalent preferred. Good Health and capable of operating at the speed requirement of this type of fast service.

GENERAL INFORMATION:

This course is designed to produce a cook capable of producing needed food products from a partially prepared state to the requirement for service in a fast food and family type restaurant.

Program Contents:

			Periods per Week:
TF	131	Theory of Food	4
HIND	103	Food Cost Analysis and Control	2
FP	100	Food Preparation (Basic)	22
SAN	132	Sanitation, Hygiene & Safety	2
			30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	LOCATION:	LENGTH:	FEES:	CERTIFICATION:
SHIP'S COOKS	F 74	KENSINGTON CAMPUS	24 weeks (6 wks. per year)	$96.00	CERTIFICATE
	OMRP CODE NO.:				

PREREQUISITES: Grade 10 or equivalent. Presently employed as Cook I, Cook II, Porter or Night Cook on Great Lake Carrier Ships.

GENERAL INFORMATION:

The course is designed to provide the formal Chef Training that is so often lacking in those individuals who have grown into their jobs. Upon successful completion the student should be able to fulfill his ship-board duties in a more skillful manner.

Program Contents:

			Periods per Week:
TF	131	Theory of Food	3
FP	130	Quantity Food Preparation (Practical)	12
BK	131	Theory Baking	2
BK	132	Practical Baking	3
MC	130	Theory of Meat	1
MC	131	Practical Meat Cutting	1
HIND	103	Food Cost Analysis & Control	6
SAN	132	Sanitation, Hygiene and Safety	1
NUT	131	Nutrition	1
			30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:
GRAPHIC ARTS (PRINTING TECHNICIAN)	G 1
	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
TERAULAY CAMPUS	3 YEARS	$160.00 per year	DIPLOMA

PREREQUISITES:

Grade 12, or Grade 10 with success in High School Printing Course of Grade 11 or 12 or Industrial experience.

GENERAL INFORMATION:

The Graphic Arts Industry plays an important role in the economy of the Province of Ontario and the City of Toronto in particular. It is experiencing continuous growth within the College environment, the instruction, equipment and facilities provided enable students to achieve up-to-date proficiency in all phases of operation. Those who enter the printing profession from these programs will be versatile enough to meet the challenge of technological change in the next decade.

All Graphic Arts Printing Technician Technical Subjects are presented in a block system. Each Technical Subject requires one block during the academic year. A block is 20 actual successive working days of 4 hours per day. Academic subjects are presented simultaneously in a semester system totalling 10 hours per week. A semester consists of four blocks and concurrent academic work.

Program Contents:			Credit Units per Semester:	Periods per week. Academic Subjects only:
FIRST YEAR - Semester I & II				
GR	100	Layout, Design, Typography	4	
GR	101	Hot Metal Composition	4	
GR	105	Photomechanical Reproduction	4	
GR	110	Film Imposition & Printing Surface Preparation	4	

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM.	GBC CODE NO.:
GRAPHIC ARTS (PRINTING TECHNICIAN) Cont'd	G 1
	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:			Credit Units per Block in Semester:	Periods per week. Academic Subjects only
GR	114	Machine Printing (Letterpress)	4	
GR	115	Machine Printing (Basic Offset)	4	
GR	116	Machine Printing (Offset)	4	
GR	125	Bindery	4	
PHYS	105	Physics (1st semester only)	4	4
CHEM	105	Chemistry (2nd semester only)	4	4
MATH	105	Mathematics	4	4
ENG	100	English	2	2

Total Credits: Technical 32 + Academic 20 = 52

Note: Students must either type or be prepared to take a 20 hour Lumisonic Typing Course in First Year.

SECOND YEAR - Semester I & II				
GR	200	Photocomposition (including Monotype & Tape Perforating Keyboards)	4	
GR	205	Photomechanical Reproduction	3.5	
GR	210	Film Imposition & Printing Surface Preparation	3.5	
GR	214	Machine Printing (Flexo)	3.5	
GR	215	Machine Printing (Rotogravure)	3.5	
GR	216	Machine Printing (Offset)	3.5	
GR	217	Machine Printing (2 Color Offset)	3.5	
GR	225	Bindery	4	
GR	220	Quality Control	4	
ELTC	214	Electronics	3.5	4
MATH	205	Mathematics	4	4
ENG	200	English	2	2

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:
GRAPHIC ARTS (PRINTING TECHNICIAN) Cont'd	G 1
	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

SECOND YEAR - Semester I & II Cont'd

Total Credits: Technical 33 + Academic 19 = 52

THIRD YEAR/TECHNICAL OPTION

Specialization in one of the following:

Type Composition (hot and cold)

Photomechanical Reproduction, Film Imposition and Printing Surface Preparation.

Machine Printing (Rotogravure, Flexo, two-color offset).

Binding and Finishing

Quality Control and Statistics

In addition, related studies in one or more of the following: Humanities (including studies of Trade Union Movement, Industrial Psychology, and Personnel Relations); Science, Electronics, and Business Administration work, using various approaches, including writing of a thesis.

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:
GRAPHIC DESIGN TECHNICIAN	G2
	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
COLLEGE STREET CAMPUS	2 YEARS (optional 3rd yr)	$160.00 per year	DIPLOMA

PREREQUISITES: Grade 12 Ontario, or equivalent; Mature students over 19 years of age may be accepted with less academic qualifications. All must submit a portfolio of 5 to 10 work samples before being approved.

GENERAL INFORMATION:

Metropolitan Toronto is Canada's largest centre for opportunities in advertising art and graphic design. For over five years we have been placing a very high percentage of graduates in studios, both large and small in Toronto area. Being associated with the country's largest printing technical department, provides opportunity for on-the-job situation for the student to have samples of his work from the design sketch to finished art work to printed samples.

Program Contents:			Credit Units per Semester:	Periods per Week:
FIRST YEAR				
		Semester I		
GD	100	Foundation Drawing	4	6
GD	101	Life Drawing	2.5	4
GD	102	Alphabet-lettering	2	3
GD	103	Foundation Design	4	6
GD	104	Foundation Colour	1.5	2
GD	105	Foundation Techniques (ROM)	2	3
GD	106	Foundation Mechanicals	3	4
GD	107	Foundation History of Art	2	2
			21	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM.	GBC CODE NO.: G2
GRAPHIC DESIGN TECHNICIAN Cont'd..	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:			Credit Units per Semester:	Periods per Week:
FIRST YEAR				
		Semester II		
GD	100	Foundation Drawing	2	3
GD	101	Life Drawing	4	7
GD	102	Alphabet-lettering	3	4
GD	103	Foundation Design	4	6
GD	105	Foundation Techniques (ROM)	3	4
GD	106	Foundation Mechanicals	3	4
GD	107	Foundation History of Art	2	2
			21	30
SECOND YEAR				
		Semester I		
GD	203	Graphic Design	3	5
GD	206	Graphic Mechanicals	2.5	4
GD	210	Packaging Design	2	3
GD	208	Packaging Mechanicals	2	3
GD	202	Alphabet Typography	2.5	4
GD	205	Graphic Techniques	2	3
GD	201	Illustration	2	3
GD	207	Historical Research	2	2
GD	209	Life Painting & Drawing	2	3
			20	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM.	GBC CODE NO.: G2
GRAPHIC DESIGN TECHNICIAN Cont'd..	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:			Credit Units per Semester:	Periods per Week:
SECOND YEAR				
		Semester II		
GD	203	Graphic Design	3	5
GD	206	Graphic Mechanicals	2.5	4
GD	210	Packaging Design	2.5	4
GD	208	Packaging Mechanicals	2	3
GD	202	Alphabet Typography	2	3
GD	205	Graphic Techniques	2.5	4
GD	201	Illustration	1.5	2
GD	201	Historical Research	2	2
GD	204	Life Painting and Drawing	2	3
			20	30

THIRD YEAR

An optional third year covering advanced techniques and specialities will be offered.

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM: SCREEN PRINTING	GBC CODE NO.: G40 / OMRP CODE NO.: 633 A		
LOCATION: TERAULAY CAMPUS	LENGTH: 40 WEEKS	FEES: $160.00 or $4.00 per week	CERTIFICATION: CERTIFICATE

PREREQUISITES: Grade 10 Ontario or equivalent. Mature students with aptitude as assessed by the instructor may be accepted with lower academic standing.

GENERAL INFORMATION:

Screen printing is a rapidly growing segment of the specialized printing industries. Plastic, glass and metal surfaces; packaging, textiles, and wallpapers; signs and advertising posters and printed circuits are all produced by this process. Those with artistic and mechanical aptitude do particularly well at this work.

Program Contents:			Credit Units per Semester:	Periods per Week:
SP	126	Basic Principles of Layout, Design and Typography	2	3
SP	127	Photomechanical Reproduction (Line, Halftone, Basic Process Color-reproduction)	2	3
SP	128	Film Imposition, Stencil Cutting and Screen Preparation	3	5
SP	129	Manual and Mechanized Screen Printing Paper and Board	4.5	7
SP	130	Mechanized Screen Printing (Other Substrates such as Plastics, glass, wood, metal, cloth, self adhesive films)	3	5
MATH	134	Mathematics	3	3
ENG	130	Language and Communication	2	2
PHYS	139	Applied Science: (Color, Color Viewing, Substractive-Process, Optical-Laws, Fluorescence, Paper, Ink, Solvent, Coatings, Plastics)	2	2
			21.5	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM: OFFSET PRINTING	GBC CODE NO.: G42 / OMRP CODE NO.: 810		
LOCATION: TERAULAY CAMPUS	LENGTH: 40 WEEKS	FEES: $160.00 or $4.00 per week	CERTIFICATION: CERTIFICATE

PREREQUISITES: Grade 10 or acceptable equivalent of industrial experience.

GENERAL INFORMATION:

This short technical program is designed to train an Offset Pressman in the operation of various types of small Offset Presses likely to be encountered in captive plants or small printing shops. Understanding the fundamentals of Typesetting, Line and Halftone Reproduction, Printing Surface Prepartion, Binding and Finishing as well as press operation will enable the recipient of this course to obtain optimum results from the equipment available at an employer's print shop.

Program Contents:			Credit Units per Semester:	Periods per Week:
GR	130	Copy Preparation	1.5	2
GR	134	Graphic Arts Camera Operation	2	3
GR	136	Stripping & Plate Making	2	3
GR	138	Machine Printing (Letter-Press)	2.5	3
GR	140	Machine Printing (Offset)	7	9
GR	142	Binding and Finishing	1.5	2
MATH	134	Mathematics	3	3
ENG	130	English	2	2
PHYS	139	Physics and Chemistry	3	3
			24.5	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.: G43
COMMERCIAL ART	OMRP CODE NO.: 613

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
COLLEGE STREET CAMPUS	40 WEEKS	$160.00 or $4.00 per week	CERTIFICATE

PREREQUISITES: Grade 10 Ontario, or equivalent. Mature students over 19 years of age may be accepted with lower academic standing. All must submit a portfolio of 5 to 10 samples before acceptance, or pass an entrance test.

GENERAL INFORMATION:

A large number of graduates from this course have been placed as junior artists and designers in many of Metropolitan Toronto's Commercial Art Studios, Advertising Agencies, Company Advertising Departments, Printing Specialty Houses and Departmental stores.

Program Contents:			Credit Units per Semester:	Periods per Week:
		Semester I		
GD	100	Foundation Drawing	4	6
GD	101	Life Drawing	2.5	4
GD	102	Alphabet Lettering	2	3
GD	103	Foundation Design	4	6
GD	104	Foundation Color	1.5	2
GD	105	Foundation Techniques (ROM)	2	3
GD	106	Foundation Mechanical	3	4
GD	107	Foundation History of Art	2	2
			21	30
		Semester II		
GD	100	Foundation Drawing	2	3
GD	101	Life Drawing	4	7
GD	102	Alphabet Lettering	3	4
GD	103	Foundation Design	4	6
GD	105	Foundation Techniques (ROM)	3	4
GD	106	Foundation Mechanicals	3	4
GD	107	Foundation History of Art	2	2
			21	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.: G 46
SIGNWRITING	OMRP CODE NO.: 633

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
TERAULAY CAMPUS	1 YEAR (40 weeks)	$160.00 or $4.00 per week	CERTIFICATE

PREREQUISITES: Grade 10 - A combination of education and experience considered equivalent by the Registrar.

GENERAL INFORMATION:

Many large department stores, manufacturing companies, advertising agencies, and retail outlets maintain a staff of sign-writers to produce new signs, posters and advertising displays.

Although the competition in this vocation is vigorous, there is ample opportunity for those who show creative ability and commercial effectiveness in their work.

Program Contents:			Credit Units per Semester:	Periods per Week:
SIGN	130	Basic Signwriting and Introduction to Screen Process Printing	15	25
MATH	134	Mathematics	3	3
ENG	130	Language and Communication	2	2
			20	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	LOCATION:	LENGTH:	FEES:	CERTIFICATION:
OFFSET PRINTING FOR LETTERPRESSMAN	G 70	TERAULAY CAMPUS	12 WEEKS	$48.00	CERTIFICATE
	OMRP CODE NO.: 844				

PREREQUISITES: Sufficient experience as a Letter-Press Journeyman.

GENERAL INFORMATION:

This one Semester Program is designed to meet the specific needs of the Graphic Arts Industry to retrain Letterpress Journeymen for Offset Pressmanship and Offset Plate making. Although this program is short, it is very intensive and it provides adequate practical experience on a variety of medium and large size single color Offset Presses. Basic plate making procedures are included.

Program Contents:			Credit Units per Semester:	Periods per Program:
GR	115	Machine Printing (Basic Offset)	4	80
GR	116	Machine Printing (Offset)	4	80
GR	216	Machine Printing (Offset)	4	80
GR	218	Machine Printing (Process Color)	4	80
		Related Theory	2	40
			18	360

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	LOCATION:	LENGTH:	FEES:	CERTIFICATION:
VARITYPE OPERATOR	G71	COLLEGE STREET CAMPUS	16 WEEKS	$64.00 or $4.00 per week	CERTIFICATE
	OMRP CODE NO.: 648				

PREREQUISITES:

Grade 10 or equivalent and 40 wpm typing

GENERAL INFORMATION:

This course has been designed to familiarize the student with the operation of the VariType Machine and its use and application in the Cold Type Industry. Upon graduation students can anticipate employment in Cold Type Composition Houses, Advertising Agencies, Printing and Engineering firms, Insurance firms, Government offices, and Foreign Language newspaper offices.

Program Contents:			Credit Units per Semester:	Periods per Week:
ENG	141	Language and Communication	5	5
VAR	144	VariTyping	16	25
			21	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM: PHOTO COMPOSITION AND PASTE-UP ASSEMBLY FOR TYPOGRAPHERS

GBC CODE NO.: G 72

OMRP CODE NO.: 704

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
TERAULAY CAMPUS	12 WEEKS	$48.00 or $ 4.00 per week	CERTIFICATE

PREREQUISITES:

Journeymen status as a Typographer, an aptitude for careful accurate handwork and the ability to visualize the finished product at the paste-up stage. Mechanical aptitude and ability to learn basic Binary Logic as measured by IBM data processing test.

GENERAL INFORMATION:

A survey of the Printing Industry by the Toronto Typographical Union indicates these are areas of increasing demand as the industry converts to new techniques in composition and preparation methods.

Program Contents:			Credit Units per Semester:	Periods per Program:
TYP	152	Typing (including Lumisonic Typing	3	60
GR	200	Tape-Keyboarding and Tape-Processing	10	207
GR	208	Theory of Photo-Type-setting Equipment	2	10
GR	204	Paste-Up Assembly	5	83
			20	360

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM: PHOTO REPRODUCTION FOR TYPOGRAPHERS

GBC CODE NO.: G 73

OMRP CODE NO.: 702

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
TERAULAY CAMPUS	13 WEEKS	$52.00	CERTIFICATE

PREREQUISITES:

Journeyman Typographer and aptitude for camera work.

GENERAL INFORMATION:

This is one of the main areas where there is a growing demand in the Printing Industry. Graduates will be trained as Black and White, Line and Half-Tone Process Camera men.

Program Contents:			Credit Units per Semester:	Periods per Program:
GR	105	Photo Mechanical Reproduction (Basic Black and White)	4	80
GR	205	Photo Mechanical Reproduction (Basic Half-Tone)	3.5	80
GR	305	Photo Reproduction (Advanced)	10.5	200
			18	360

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	
FILM IMPOSITION & PRINTING SURFACE PREPARATION FOR TYPOGRAPHERS		G 74
	OMRP CODE NO.:	703

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
TERAULAY CAMPUS	12 WEEKS	$48.00	CERTIFICATE

PREREQUISITES:

Journeyman Typographer with aptitude for accurate careful hand work and the ability to visualize the finished product at the film stripping stage.

GENERAL INFORMATION:

This is one of the main areas where there will be an increasing demand in the Printing Industry as it converts from Letterpress to Offset Press techniques. Graduates will be trained in film-stripping and platemaking, including process color work.

Program Contents:			Credit Units per Semester:	Periods per Program:
GR	110	Film Imposition & Printing Surface Preparation (Basic Black & White)	4	80
GR	210	Film Imposition & Printing Surface Preparation	3.5	80
GR	310	Film Imposition & Color Printing Surface Preparation (Process Color)	10.5	200
			18	360

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	
MARINE ENGINEERING CADET		M 1
	OMRP CODE NO.:	

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
CASA LOMA CAMPUS	3 year six semesters, 12 mo. supervise experience	$160.00 per year	DIPLOMA

PREREQUISITES: Grade 12

GENERAL INFORMATION:

Successful graduates may be employed as Junior Engineer Officers on ships of the companies who sponsor this program. Field trips are arranged during the school period to familiarize cadets with procedures in machine shops and ships.

At the end of the three-year program students may write the examinations of the Federal Department of Transport for a Fourth Class combined certificate. In addition, they may be exempted from the Academic portions of further examinations in both the 2nd class and 1st class certificates, providing their studies and final college examinations are approved by the Department of Transport.

Program Contents:			Credit Units per Semester:	Periods per Week:
	SEMESTER 1			
EN	103	Applied Heat	1	
EN	105	Applied Mechanics	1	
EN	109	Metallurgy	2	
DR	157	Drawing	2	
EL	121	Electrotechnology	1	
MACH	124	Machine Shop	2	
MAR	111	Ship Construction	1	
MATH	103	Mathematics	1	
CHEM	121	Chemistry	1	
ENG	103	English	1	
			13	
	SEMESTER 11			
EN	110	Metallurgy	1	
EN	101	Engineering Practice	2	
EN	104	Applied Heat	1	
EN	106	Applied Mechanics	2	

Cont'd....

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM: MARINE ENGINEERING CADET Cont'd..	GBC CODE NO.: M 1	
	OMRP CODE NO.:	
LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:			Credit Units per Semester:	Periods per Week:
	SEMESTER 11			
DR	114	Drafting	2	
EL	122	Electrotechnology	1	
MACH	125	Machine Shop	2	
MATH	104	Mathematics	1	
CHEM	122	Chemistry	1	
			13	
	SEMESTER 111			
EN	201	Engineering Practice	2	
EN	203	Thermodynamics	2	
EN	205	Applied Mechanics	1	
EN	207	Strength of Materials	1	
MAR	110	Ship's Business	1	
DR	223	Drafting	1	
EL	221	Electrotechnology	1	
MACH	221	Machine Shop	2	
MATH	203	Mathematics	1	
			12	

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM: MARINE ENGINEERING CADET Cont'd..	GBC CODE NO.: M 1	
	OMRP CODE NO.:	
LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:			Credit Units per Semester:	Periods per Week:
	SEMESTER 1V			
EN	202	Engineering Practice	2	
EN	204	Thermodynamics	2	
EN	206	Applied Mechanics	1	
EN	210	Mechanics of Fluids	1	
EN	208	Strength of Materials	1	
DR	224	Drafting	1	
EL	222	Electrotechnology	1	
MACH	222	Machine Shop	2	
MATH	204	Mathematics	1	
			12	
	SEMESTER V			
EN	301	Engineering Practice	2	
EN	303	Thermodynamics	2	
EN	305	Theory of Machines	2	
EN	311	Naval Architecture	1	
EN	313	Strength of Materials	1	
EN	307	Mechanics of Fluids	1	
EL	321	Electrotechnology	1	
WELD	10/11	Welding	1	
WELD	20/21	Welding	1	
MATH	303	Mathematics	1	
			13	

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.: M 1
MARINE ENGINEERING CADET Cont'd..	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:			Credit Units per Semester:	Periods per Week:
	SEMESTER VI			
EN	302	Engineering Practice	2	
EN	304	Thermodynamics	2	
EN	309	Strength of Materials	1	
EN	306	Theory of Machines	2	
EN	307	Mechanics of Fluids	2	
EN	312	Naval Architecture	1	
EL	322	Electrotechnology	1	
MATH	304	Mathematics	1	
			12	

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.: M 2
NAVIGATION OFFICER CADET	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
CASA LOMA CAMPUS	3 1/2 YEARS	$160.00 per year	DIPLOMA

PREREQUISITES: Grade 12 Diploma.

GENERAL INFORMATION:

All applications for this course must be accompanied by a Department of Transport Certificate attesting to a minimum vision of 20/20 and to normal colour perception.

It will be possible for cadets to write the Second Mate Foreign-Going Certificate and in addition, First Mate's Home Trade Certificate at the end of the three and a half years of training, provided that the sea service is approved.

Program Contents:			Credit Units per Semester:	Periods per Week:
FIRST YEAR				
MAR	100	Shop Knowledge	6	6
MAR	101	Magnetism	1	2
MAR	102	Chart Projection	4	4
MATH	102	Mathematics	4	4
DR	117	Drafting	1	2
MAR	105	Meteorology	2	2
PHYS	102	Physics	4	4
ENG	101	English	1	2
EL	123	Electrotechnology	3	4
			26	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.: M 2
NAVIGATION OFFICER CADET Cont'd..	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:			Credit Units per Semester:	Periods per Week:
SECOND YEAR				
MAR	200	Naval Architecture	4	4
CHEM	121	Chemistry	2	2
MAR	201	Seamanship	4	6
MAR	202	Ship's Business	1	2
MATH	202	Mathematics	4	4
MAR	203	Navigation	4	4
PHYS	201	Physics	4	4
EL	104	Electrical Fundamentals	3	4
			26	30
THIRD YEAR				
MAR	300	Naval Architecture	4	4
EL	204	Electrotechnology (Electrical Machines)	3	4
MAR	301	Seamanship	4	4
MATH	302	Mathematics	4	4
MAR	308	Engineering Knowledge	1	2
MAR	303	Navigation	4	4
MAR	304	Meteorology	1	2
MAR	306	Magnetism	1	2
MAR	307	Chart Projection	4	4
			26	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.: M 2
NAVIGATION OFFICER CADET Cont'd..	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:			Credit Units per Semester:	Periods per Week:
FOURTH YEAR				
MAR	404	Chart Projection	4	4
MAR	400	Naval Architecture	4	4
MAR	401	Seamanship	6	6
MATH	402	Mathematics	4	6
MAR	403	Navigation	5	6
EL	304	Electrotechnology	3	4
			26	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.: M (C)
CORRESPONDENCE COURSES	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

The College offers correspondence courses dealing with the Department of Transport requirements for the various certificates of competency. Each course, which consists of 15 to 30 lessons, covers a subject area in a particular grade. They contain assignments which, upon completion, are to be sent to the College for marking.

Application forms for the courses may be obtained from the Registrar's Office. The fee is $30.00 per subject and is payable by money order or cheque, to be made payable to George Brown College. Do not send cash.

The following is a list of the 31 courses available:

Program Contents:	Credit Units per Semester:	Periods per Week:
MARINE DECK OFFICERS		
Second Mate Foreign-Going		
FE 1 Electronic and Other Aids to Navigation		
Second Mate Home Trade		
HN 1 Navigation		
HE 1 Electronic and Other Aids to Navigation		
HC 1 Chartwork and Pilotage		
First Mate Home Trade		
HN 2 Navigation		
HS2(A) Elementary Shipboard Knowledge (1)		
HS2(B) Elementary Shipboard Knowledge (2)		
HE2 Electronic and Other Aids to Navigation		
HC2 Chartwork and Pilotage		
Second Mate Inland Waters		
1C1 Chartwork and Pilotage		
1E1 Electronic and Other Aids to Navigation		

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.: M (C)
CORRESPONDENCE COURSES Cont'd..	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents:	Credit Units per Semester:	Periods per Week:
First Mate Inland Waters		
1C2 Chartwork and Pilotage		
1S2(A) Elementary Shipboard Knowledge (1)		
1S2(B) Elementary Shipboard Knowledge (2)		
1E2 Electronic and Other Aids to Navigation		
MARINE ENGINEERING OFFICERS		
4th Class		
4G Engineering Knowledge General		
4S Engineering Knowledge Steam		
4M Engineering Knowledge Motor		
3rd Class		
3PM Practical Mathematics		
3G Engineering Knowledge General		
3M Engineering Knowledge Motor		
3S Engineering Knowledge Steam		
2nd Class		
2MA Mathematics		
2AM Applied Mathematics		
2H Heat and Heat Engines		
2NA Naval Architecture		
4SE Stationary Engineer 4th Class		
3SE Stationary Engineer 3rd Class		
2G Engineering Knowledge General		
1st Class		
1N Heat and Heat Engines		
1AM Applied Mechanics		

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	OMRP CODE NO.:
MARINE TUTORIAL COURSES	M(T) M-40,M-41	631-632

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
	15 WEEKS		

PREREQUISITES:

GENERAL INFORMATION:

Courses are offered which prepare qualified seamen for Department of Transport Certificates of Competency in all grades, as Marine Engineers or as Mates and Masters of ships in the inland and minor waters of Canada, home trade waters and foreign-going service.

The minimum age specified by Department of Transport regulations for holders of Certificates of Competency is 20 years. A qualifying period of sea service of 3 years is also required.

Opportunities for advancement are good in the Marine field as modern and larger vessels are built for the Merchant service. A Canadian Coastguard is also being formed, with new vessels for government service.

Program Contents: Credit Units per Semester: Periods per Week:

SPECIAL MARINE COURSES:

Marine Engineers M 40-OMRP 631
Length of course: 15 weeks
MARINE ENGINEERING
Mathematics applicable to Engineering Problems, Boilers, Steam and Diesel Engines, Metals, Gases, Theory of Propulsion, Drafting, Combustion in Marine Engines, and Elementary Machine Shop Practice.

Marine Navigation Officers M 41-OMRP 632
Length of Course: 15 weeks

NAVIGATION

Seamanship, Ship Stability and Construction, Magnetism and Magnetic Compass, Chartwork, Electronic aids to navigation: Radar, gyro-compass, echo sounder, direction finder and Decca Navigator equipment.

RADAR SIMULATOR

This is a realistic course in which navigation situations, involving up to five targets travelling on different courses at different speeds.

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	OMRP CODE NO.:
MARINE TUTORIAL COURSES Cont'd..	M (T) M-40, M-41	

LOCATION:	LENGTH:	FEES:	CERTIFICATION:

PREREQUISITES:

GENERAL INFORMATION:

Program Contents: Credit Units per Semester: Periods per Week:

RADAR SIMULATOR Cont'd

can be made to appear on the radar screen. It is a practical course wherein collision situations are set up and the student is given the opportunity of handling a vessel by simulation. Anti-collision exercises afford realistic training. This is a one-week course.

RADAR OBSERVER

This course covers the principles of radar, adjustment of operational controls, practical starting and stopping equipment, interpretation of the display (including topography ashore as well as conspicuous objects afloat), factors affecting echo characteristics and false echoes, detection of movement plotting both relative and true, and working examples of plots containing fixed and moving targets with speed and course alterations. This course is combined with the Radar Simulator course. The duration is 3 weeks with 2 weeks devoted to Radar Observer or Theory and one week devoted to Radar Simulator or Practical.

A certificate of satisfactory attendance is given on completion of the Radar Simulator course. An endorsement is obtainable on examination by the Department of Transport after completion of the Radar Observer's course.

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	
CREATIVE FASHION	ST 1	
	OMRP CODE NO.:	

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
COLLEGE STREET CAMPUS	2 YEARS	$160.00	DIPLOMA

PREREQUISITES:

Grade 12 or equivalent and Instructor's evaluation.

GENERAL INFORMATION:

This course is designed to develop the creativity of the student in fashion disciplines culminating in original styles, patterns and finished garments for the women's fashion and fur industries.

Draping and pattern design; fur recognition; manufacturing techniques; care, maintenance and marketing of wild and ranched furs; business management; merchandising; production machines; and couture sewing.

Program Contents:			Credit Units per Semester:	Periods per Week:
YEAR 1 (2 Semesters)				
SEW	141	Industrial Power Sewing	3	5
DRES	141	Dressmaking & Alterations	4	5
DRES	141	Textiles	1	2
FUR	143	Fur Theory	3	5
FUR	144	Fur Manufacturing	1	2
PAT	141	Pattern Drafting	4	5
PAT	142	Draping	1	1
PAT	143	Design	1	1
PAT	144	Grading	1	1
SBM	132	Small Business Management	2	2
ENG	132	Language & Business Correspondence	1	1
			22	30
YEAR II (2 Semesters)				
Specialization in one of:				
		Dressmaking, Pattern Design or Fur Business	17	25
		Related Subjects	5	5
			22	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	
FASHION DESIGN AND PATTERN DRAFTING	ST 40	
	OMRP CODE NO.:	624

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
COLLEGE STREET CAMPUS	32 WEEKS	$128.00	CERTIFICATE

PREREQUISITES:

- Open
- Interview
- Instructor's approval
- Eight week appraisal and evaluation

GENERAL INFORMATION:

This course is designed to train graduates for entry into the following branches of the Fashion Indusry: Women's Apparel Industries; Boutique Shops; Stylist, Fashion Illustrator; Sample Makers; Designers (Commercial, Custom and Costume); etc.

This is a practical course to develop a student's competence in Creative Design covering such areas as foundation blocks to manufactured sizes; styling; analyzing existing styles; form, colour, textures; research, grading sizes; making samples; draping; sketching; etc.

Program Contents:			Credit Units per Semester:	Hours per week:
PAT	141	Pattern Drafting, styling, samples	12	17
PAT	142	Draping	1	1
PAT	143	Design, Fashion Research, Colour, Texture	2	3
PAT	144	Grading, Fashion Illustration, Copies	4	7
SBM	10	Small Business Management	1	1
ENG	141	Business English	1	1
			21	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM: CUSTOM DRESSMAKING & ALTERATIONS

GBC CODE NO.: ~~ST~~ 41

OMRP CODE NO.: 616

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
COLLEGE STREET CAMPUS	28 WEEKS	$112.00	CERTIFICATE

PREREQUISITES:
- Grade 8 or equivalent
- Level 6 English minimum for New Canadians
- Instructor's Approval
- Six week appraisal and evaluation

GENERAL INFORMATION:

This is a practical course designed for those wishing to find employment in the following branches of the Women's Fashion Industry:

Custom Dressmaking; Fitters; Alterations; Finishing; Sample Makers; Sales (Textiles, Boutiques, Patterns, etc.); Costume Rentals.

Fundamental skills are taught using a wide variety of fabrics available today through varied projects requiring the best, newest and varied sewing methods.

Program Contents:			Credit Units per Semester:	Periods per Week:
DRES	141	Unit Construction	7	11
DRES	141	Samples, Hand Finishes, Sewing Techniques	2	3.5
DRES	141	Knit Fabrics	1	2
DRES	141	Layout and Cutting, Fitting	1	1.5
DRES	141	Trims, Braids, Appliques	.5	1
DRES	142	Textiles, Care of Garments	1	2
DRES	143	Machines (Domestic and Power Sewing)	.5	1
DRES	144	Alterations - Preliminary to Advanced	1	2
DRES	145	Commercial Patterns and Selections	1	1
DRES	145	Current Fashions, Personal Analysis	1	1
ENG	141	Business English	2	2
SBM	10	Small Business Management	2	2
			20	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM: INDUSTRIAL POWER SEWING

GBC CODE NO.: ST 42

OMRP CODE NO.: 639

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
COLLEGE STREET CAMPUS	24 WEEKS	$96.00	CERTIFICATE

PREREQUISITES: Open

GENERAL INFORMATION:

This course is designed to provide the student with the basic sewing skills and techniques as used in the garment manufacturing industries.

Program Contents:			Credit Units per Semester:	Periods per Week:
SEW	141	Industrial Power Sewing	15	25
ENG	141	Language and Communication	5	5
			20	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	LOCATION:	LENGTH:	FEES:	CERTIFICATION:
FUR BUSINESS & MANUFACTURING TECHNIQUES	ST 43	COLLEGE STREET CAMPUS	40 WEEKS (2 semesters)	$160.00	CERTIFICATE
	OMRP CODE NO.: 1107				

PREREQUISITES:
Grade 10 or test

GENERAL INFORMATION:

For the first time in Canada this program will give men and women an integrated course on fur; will develop in them skills in, and knowledge of the industry and its materials, techniques and products; will equip them for gainful employment by standardizing general and technical fur knowledge in such a way that they will be able to work profitably in any division in the fur industry and in some other trades where fur is used.

Program Contents:			Credit Units per Semester:	Periods per Week:
FIRST YEAR		Semester I		
FUR	143	Fur Theory	7	14
FUR	144	Fur Manufacturing	4	9
ENG	132	Language & Business Correspondence	2	2
SBM	132	Small Business Management	2	5
			15	30
		Semester II		
FUR	145	Fur Fashion and Design	6	12
FUR	144	Fur Manufacturing	4	9
SBM	132	Small Business Management	2	5
FUR	147	Fur Marketing	2	2
ENG	132	Language & Business Correspondence	2	2
			16	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	LOCATION:	LENGTH:	FEES:	CERTIFICATION:
? FURNITURE REFINISHING and REPAIR	ST 52	COLLEGE STREET CAMPUS	32 WEEKS	$128.00	CERTIFICATE
	OMRP CODE NO.: 622				

PREREQUISITES: Grade 8 or equivalent

GENERAL INFORMATION:

This course is designed to prepare the student for entry into the following branches of the furniture industry:

Furniture Repairing, Furniture Making, Furniture Refinishing, Furniture Finishing.

Program Contents:			Credit Units per Semester:	Periods per Week:
FURN	152	Furniture Refinishing and Repair		25
MATH	134	Mathematics		5
				30

2M = 5 Ppr

no maths

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	OMRP CODE NO.:
FURNITURE UPHOLSTERY and REPAIR	ST 53	623

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
COLLEGE STREET CAMPUS	40 WEEKS	$160.00	CERTIFICATE

PREREQUISITES: Open

GENERAL INFORMATION:

This course is designed to develop enough skills to enable the graduate to find employment in any of the following branches of the upholstering industry:

Custom Upholstering, Recovering, Production Upholstering, Springing.

Program Contents:			Credit Units per Semester:	Periods per Week:
FURN	153	Furniture Upholstery and Repair		30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	OMRP CODE NO.:
BARBERING	ST 70	

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
KENSINGTON CAMPUS	18 WEEKS	SPONSORED	CERTIFICATE

PREREQUISITES:
Accepted as a registered apprentice in the Barbering Trade

GENERAL INFORMATION:

This course has been designed to meet the requirements of the Ontario Government program for apprenticeship training. The aims are to provide instruction in the theory and practices as will be acceptable to the Barbering Trade. With the hopeful addition of Men's Hairstyling to the course, training in all phases of this trade should be complete.

Program Contents:			Credit Units per Semester:	Periods per Week:
BAR	10	Barbering Theory	5	5
BAR	11	Barbering Practice	10.5	21
SBM	10	Small Business Management	2	2
ENG	11	English	2	2
			19.5	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.: ST 71
HAIRDRESSING	OMRP CODE NO.:

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
KENSINGTON CAMPUS	Basic 8 Weeks Advanced 8 Weeks	SPONSORED	CERTIFICATE

PREREQUISITES: Length of Apprenticeship Term:
3 periods of 1,500 hours each — Grade 9 Credit

GENERAL INFORMATION:

This course is designed to provide the student with all necessary skills for employment in the various salons catering to hair fashions.

Program Contents:			Credit Units per Semester:	Periods per Week:
BASIC PROGRAM				
HAIR	10	Theory of Hairdressing	8	8
HAIR	11	Hairdressing Practice	10	19
ENG	17	Language and Communication	1.5	1.5
PHYS	17	Applied Science	1.5	1.5
			21	30
ADVANCED PROGRAM				
HAIR	20	Theory of Hairdressing	8	8
HAIR	21	Hairdressing Practice	10	19
ENG	23	Language and Communication	1.5	1.5
MATH	23	Mathematics	1.5	1.5
			21	30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.: ST 72
HAIRSTYLING FOR BARBERS	OMRP CODE NO.: 724

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
KENSINGTON CAMPUS	3 Weeks	$12.00	CERTIFICATE

PREREQUISITES:
Current Barbering Licence (Ontario); good health.

GENERAL INFORMATION:

Changes in modern Men's Hair Grooming demand that a Barber should have the additional knowledge of creating and effecting styles to meet current trends. This course will allow Barbers to compete in this area.

PROGRAM CONTENTS:			PERIODS PER WEEK:
STYL	10	Styled hair cutting, theory	3
STYL	11	Styled hair cutting, practical	15
STYL	12	Blowing and curling, theory	1
STYL	13	Blowing and curling, practical	5
STYL	14	Permanent waving, colouring	6
			30

THE GEORGE BROWN COLLEGE OF APPLIED ARTS AND TECHNOLOGY

NAME OF PROGRAM:	GBC CODE NO.:	LOCATION:	LENGTH:	FEES:	CERTIFICATION:
CERTIFIED BUILDING CUSTODIAN	ST 73	TERAULAY CAMPUS	14 WEEKS	$56.00	CERTIFICATE
	OMRP CODE NO.: 611				

PREREQUISITES:

Physically capable of carrying out work routines; mopping floors, controlling floor machines; ability to follow instructions in English.

GENERAL INFORMATION:

With the continued growth of our towns and cities there is an ever-increasing demand for trained custodial staff. This course is intended primarily for the student who is seeking job opportunities in the general field of building maintenance-cleaning. As newer types of machines are introduced in this job area, a demand for supervision will become imminent. Such training is being planned for almost immediate presentation.

Program Contents:			Credit Unit per Semester:	Periods per Week:
ENG	141	Language and Communication	3	
MATH	146	Mathematics	2	30
BCU	141	Custodial Theory	7	
BCU	142	Custodial Practice	18	
			30	

NOTE: Successful students are rated at two levels:

(a) Basic Building Custodian Level 1 - this designation is given for proficiency in the Custodial Practical training only.

(b) Certified Building Custodian Level 2 - this designation is given to those students who demonstrate proficiency in both the Custodial Theory and the Custodial Practical training.

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NAME OF PROGRAM:	GBC CODE NO.:	LOCATION:	LENGTH:	FEES:	CERTIFICATION:
COMMERCIAL VEHICLE DRIVING	ST 74	COLLEGE STREET CAMPUS	3 WEEKS	$12.00	
	OMRP CODE NO.: 802				

PREREQUISITES: Grade 8 or equivalent. Must be in possession of a chauffeur's licence. Must be physically capable of handling a large vehicle and its load.

GENERAL INFORMATION:

The purpose of this course is to train students in the safe operation of a five-ton standard commercial vehicle; and to prepare students for entry into the field of road transportation. Employment opportunities for graduates are increasing as industry is demanding trained personnel.

Program Contents:			Credit Units per Semester:	Periods per Week:
VEH	10	Commercial Vehicle Operation		30

NAME OF PROGRAM:	GBC CODE NO.: ST 75
TRACTOR TRAILER DRIVING	OMRP CODE NO.: 1004

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
COLLEGE STREET CAMPUS	4 WEEKS	$16.00	

PREREQUISITES: Must have been employed as a driver of a standard commercial vehicle for not less than one year, in possession of a chauffeur's licence and able to pass a driving test

GENERAL INFORMATION:

The purpose of this course is to train students in the safe operation of a tractor trailer; and to prepare students for advancement in the field of road transportation. With driving becoming involved and in many instances hazardous, a scientific approach to this area provides drivers with current knowledge of latest methods of safe and economical operation.

Program Contents:	Credit Units per Semester:	Periods per Week:
VEH 11 Tractor Trailer Driving		30

NAME OF PROGRAM:	GBC CODE NO.: ST 76
PROTECTION SERVICES & SECURITY	OMRP CODE NO.: 687

LOCATION:	LENGTH:	FEES:	CERTIFICATION:
COLLEGE CAMPUS	8 WEEKS	$32.00	CERTIFICATE

PREREQUISITES: B.T.S.D. Level 1 (Grade 8), minimum height 5' 8", minimum age 22. Candidates will be fingerprinted to establish a clear record under the criminal code.

GENERAL INFORMATION:

For the first time in Canada, a program of this nature will allow men to take an integrated course in Industrial, Commercial, and Warehousing Security. It is designed to equip students in the skills and techniques required in a Security Guard Protection Service. It will equip candidates for gainful employment and/or promotion within the security field.

PROGRAM CONTENTS:			PERIODS PER WEEK:
PROT	141	Introduction to Security	2
PROT	142	Operational Procedures	7
PROT	143	Emergencies: Precautions and Actions	8
PROT	144	Theft and other Misdemeanors	4
PROT	145	Powers, Limitations, Public Relations	3
PROT	146	First Aid	2
ENG	141	Language and Communication, Reporting	4
			30